



Republic of the Philippine
TARLAC STATE UNIVERSITY
Romulo Blvd., San Vicente, Tarlac City
Tel. No.: (045) 982 4630
Website: www.tsu.edu.ph

Bidding Documents

(This Bidding Documents is in conformance with the Sixth Edition of the Philippine Bidding Documents for the Procurement of Goods)

For the Project

Supply and Delivery of Laboratory Glassware and Supplies (APP 2023)

**With an Approved Budget for the Contract (ABC) of
Eight Million Nine Hundred Fifty Two Thousand Three
Hundred Forty Two and 08/100 Pesos
(₱ 8,952,342.08)**

**Invitation to Bid No. Goods 2023-023
PhilGEPS Reference No.: 10407886**

**July 2020
6th Edition**

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



Republic of the Philippine
TARLAC STATE UNIVERSITY
Romulo Blvd., San Vicente, Tarlac City
Tel. No.: (045) 982 4630
Website: www.tsu.edu.ph

INVITATION TO BID

For the Project

Supply and Delivery of Laboratory Glassware and Supplies (APP 2023)

Invitation to Bid No. Goods 2023-023

1. The Tarlac State University, through Special Budget (SB) intends to apply the sum of **Eight Million Nine Hundred Fifty Two Thousand Three Hundred Forty Two and 08/100 Pesos (₱ 8,952,342.08)** to payments under the contracts for the project: **Supply and Delivery of Laboratory Glassware and Supplies (APP 2023)**.

Bids received in excess of the ABC for shall be automatically rejected at bid opening.

2. The Tarlac State University now invites bids for the project **Supply and Delivery of Laboratory Glassware and Supplies (APP 2023)**. Delivery of the Goods is required within **thirty (30)** calendar days from the receipt of the Notice to Proceed. Bidders must have completed, within the last five (5) years prior to the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

4. Interested bidders may obtain further information from **Tarlac State University** and inspect the Bidding Documents at the address given below during Tuesday to Friday from 7:00 A.M. to 6:00 P.M:

BAC Secretariat
Motorpool and Administration Building
Tarlac State University
Romulo Blvd., San Vicente, Tarlac City
Tel. No. (045) 606-8142 / 0998 846 0206
Email: bacsec@tsu.edu.ph

5. A complete set of Bidding Documents may be acquired by interested Bidders from **December 27, 2023 to January 16, 2024** from the aforementioned address upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **₱ 5,000.00**.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

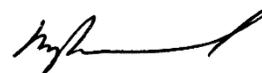
6. The Tarlac State University will hold a Pre-Bid Conference on **January 04, 2024 (3:00 P.M.)** at the Business Center Audio-Visual Room, 2nd Floor, Business Center Bldg., Tarlac State University, Romulo Blvd., San Vicente, Tarlac City, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat at the address below on or before **January 16, 2024, (03:00 P.M.)**.

BAC Secretariat

Motorpool and Administration Building
Tarlac State University
Romulo Blvd., San Vicente, Tarlac City
Tel. No. (045) 606-8142 / 0998 846 0206
Email: bacsec@tsu.edu.ph

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
9. Bid opening shall be on **January 16, 2024, at 03:00 P.M.**, at the Business Center Audio-Visual Room, 2nd Floor, Business Center Bldg., Tarlac State University, Romulo Blvd., San Vicente, Tarlac City. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below.
10. The Tarlac State University reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 Revised IRR of RA 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

Ms. Jhenna Micah A. Manankil/ Mr. Joshua Jonathan S. Jacinto
BAC Secretariat
Motorpool and Administration Building
Tarlac State University
Romulo Blvd., San Vicente, Tarlac City
Tel. No. (045) 606-8142 / 0998 846 0206
Email: bacsec@tsu.edu.ph



DR. MURPHY P. MOHAMMED
BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

1.1. The Tarlac State University wishes to receive Bids for the project: **Supply and Delivery of Laboratory Glassware and Supplies**, with identification number **Invitation to Bid No. Goods 2023-023**.

1.2. The procurement project (referred to herein as “Project”) is composed of two hundred sixty-one (261) items the details of which are described in Section VII. Technical Specifications.

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2023** in the amount of **₱ 8,952,342.08**

2.2. The source of funding is the **Special Budget (SB)**

3. Bidding Requirements

3.1. The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

3.2. Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or IB by the BAC through the issuance of a supplemental or bid bulletin.

3.3. The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder must have a SLCC that is similar to the Project, as described in the **BDS**, with a value, adjusted to current prices using the PSA’s CPI, that is at least equivalent to fifty percent (50 %) of the ABC.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that subcontracting is not allowed

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and at the address indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII. Checklist of Technical and Financial Documents**.

10.2. The Bidder's **SLCC** as indicated in **ITB** Clause 5.3 should have been completed **within five (5) years** prior to the deadline for the submission and receipt of bids.

10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII. Checklist of Technical and Financial Documents**.

11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

- a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII. Technical Specifications**.

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until **May 15, 2024**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

15.1. Each Bidder shall submit one copy of the first and second components of its Bid.

15.2. The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

15.3. If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be

digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3. The descriptions of the lots or items are indicated in **Section VII. Technical Specifications**, and the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as one project having several items that shall be awarded as one contract.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be the supply and delivery of similar goods comprising the Project.
7.1	No further instructions.
12	The price of the Goods shall be quoted DDP Tarlac City, Philippines or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a. The amount of not less than two percent (2 %) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than five percent (5 %) of ABC if bid security is in Surety Bond.
19.3	The ABC for the project is ₱ 8,952,342.08
20.2	No further requirements.
21.2	No further requirements.

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV. Technical Specifications** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.

6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the

defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

GCC Clause	
1	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery terms applicable to this Contract are delivered to Tarlac State University, Romulo Blvd., San Vicente, Tarlac City. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI. Schedule of Requirements.</p>
	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p> <p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p>
	<p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p>

	<p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p>
	<p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
4	<p>The inspections and tests that will be conducted are: visual and sensory inspection and test.</p>

Section VI. Schedule of Requirements

The delivery date for the Goods covered by the Contract shall be within thirty (30) calendar days upon receipt of the Notice to Proceed.

Section VII. Technical Specifications

Item No.	Description
1.	AERATOR, for BOD Analysis. For dilution water and seed inoculum.
2.	ALCOHOL LAMP, glass, medium size
3.	ALCOHOL, denatured
4.	AMBER BOTTLE, 100mL amber round bottle with black propylene ribbed cap
5.	AMBER BOTTLE, 25mL amber round bottle with black propylene ribbed cap
6.	AMBER BOTTLE, 50mL amber round bottle with black propylene ribbed cap
7.	ANAEROBIC SYSTEM, includes polycarbonate jar (9 x 5 in.); lid with O-ring gasket (rubber); clamp/thumbscrew assembly; catalyst reaction chamber; two catalyst charges; rack for 12 x 100 mm culture dish; tube holder for thirteen 16.5 x 128 mm tubes.
8.	ANALYTICAL BALANCE, Standard level analytical balance 252g x 0.0001g; 90mm pan size, high performance benchtop meter, specifications: ± 0.01 pH; ± 1 mV; ± 0.5 oC; -1999-1999 mV; Measurement resolution -50C - 110oC; inclusive meter, electrode and pH powder set (4.01,7.01,10.01)
9.	ANEMOMETER, 0.4/s to 20m/s air velocity range -10, 50° operating temp. 0% to 100%
10.	APPARATUS, CASSAGRANDE CUP, Dimension: 240x230x150 mm, Weight (approx.) 2 kg with Grooving Tool
11.	APPARATUS, DIGITAL CALIPER, made in stainless steel, reading 0.01 mm, accuracy +/- 0.02 mm, repeatability 0.01 mm, 3 buttons: on/off (manual), reset and conversion mm/in.
12.	APPARATUS, Flow Channel (3.0m long) Apparatus with accessories Apillway, Sluice Gate and Set of Weirs with Hooke Gauge
13.	APPARATUS, GRADUATED CYLINDER, 500 ml
14.	APPARATUS, Liquid Limit (Atterberg Limit Test)
15.	APPARATUS, Metacentric Height Apparatus with Transparent Basin
16.	APPARATUS, MOISTURE CONTENT TINS AND CANS, 75 mm diameter, 30 mm height
17.	APPARATUS, Plastic Limit
18.	APPARATUS, PLASTIC LIMIT, supplied complete with: Glass plate 300x300x5 mm, Steel Reference Rod, Moisture Content Tins 75 mm diameter, Height 30 mm, 6 pcs., Porcelain Mixing Dish 120 mm diameter, Spatula 120 mm, Carrying Case Dimension 360x370x180 mm, Weight (approx.) 3 kg.
19.	APPARATUS, Plastic Limit.
20.	APPARATUS, Sand Cone
21.	APPARATUS, SAND CONE 6.5", Dimensions: 300x300x550 mm, Weight (approx.) 4 kg.
22.	APPARATUS, Set of Sieve Shaker
23.	APPARATUS, SOIL CONE PENETROMETER, fitted with dial indicator for direct reading of penetration. Supplied complete with 30deg and 60 deg, 30mm long test cone. Manufactured from stainless steel and includes adjustable levelling feet.
24.	APPARATUS, U-TUBE MANOMETERS, measuring range: 100-3000 mm, temperature in celsius: 150, glass tube: U shaped
25.	AUREUS CHROMOSELECT AGAR BASE, 500 g per bottle; Provide SDS of the chemical and certificate of analysis. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.
26.	AUTOMATIC SELF-ZEROING BURETTE is mounted on a glass bottle with 2L capacity. Includes a PTFE needle valve stopcock, intermediate stopcock and

	rubber bellows. Class A, ASTM E-284, meets USP standards, individually serialized and certified. Includes Schellbach backing for easy reading of liquid levels. With amber graduations. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Automatic Burette, Glass, Class A, Individually Certified, 10-25 mL at 0.05 mL graduation. For DO and BOD Analysis.
27.	BALL AND RING APPARATUS, Length:23 cm Ball Diameter at Room Temperature: 2.36 cm Ring Inner Diameter at Room Temperature: 2.39 cm Material: brass
28.	BAR, PTFE magnetic stir bar
29.	BAROMETER, Material: Metal - Size: Length 132mm/5.20inch; width 132mm/5.20inch; height 30mm/1.18inch
30.	BASIC CALORIMETRY SET, 1x Aluminum 1.25" d x 1.5" h 1x Brass 3/4" d x 1.5" h 1x Stainless Steel 3/4" d x 1.44" h 1x Zinc 3/4" d x 1.58" h 1x Copper 0.625" d x 1.8" h 1x Calorimeter cup with lid 1x Partial Immersion Thermometer (SE-9084B) 1x Water trap and plastic tubing 1x Instruction manual and experiment guide
31.	BASIC ROCK AND MINERAL KIT, Expand your studies of Earth Science with this basic rock and mineral kit, which is actually two kits in one, The rock portion of the kit includes 15 classic examples of igneous, metamorphic, and sedimentary rocks, as well as an identification guide. The mineral part of the kit includes 15 different samples that can be identified by hardness, luster, streak, color, cleavage, and other characteristic properties. It also includes a streak plate, hand lens, and mineral identification guide
32.	BASIN, stainless, 8-10L
33.	BEAKER, 100 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.
34.	BEAKER, 1000 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.
35.	BEAKER, 250 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.
36.	BEAKER, 50ml
37.	BEAKER, 600 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.
38.	BI-METALLIC STRIP, demonstrate differential thermal expansion and how thermostats work with this fun demo. When heated in a Bunsen burner flame, this bi-metallic strip bends. The strip is steel on one side and brass on the other side. Since brass expands more than steel, the strip becomes longer on the brass side. As it cools, it becomes straight again. Blade Length 12.5 cm
39.	BOD BOTTLES, 6.9 cm diameter, height = 16.5 cm, capacity = 300 ml, Available with either glass robotic or pennyhead stoppers. 24 pcs. /case.

40.	BOD CAPS, BOD Caps with foam insert for BOD Bottles, polyethylene cap complete with a closed cell foam insert snaps firmly over the flared mouth bottle preventing evaporation of water seal during 5-day incubation period. Will not absorb or leak water if bottle is filled. 50 pieces/case.
41.	BOTTLE, Reagent Bottle, Brown, 100ml
42.	BOTTLE, Reagent Bottle, Brown, 10ml
43.	BOTTLE, Reagent Bottle, Brown, 20ml
44.	BOTTLE, Reagent Bottle, Brown, 50ml
45.	BRUSH, Buret, for 25-50 mL. Brush Diameter: 1.3 cm; Total Length: 76 cm; Unbleached white nylon bristles are supported by twisted galvanized steel wire.
46.	BRUSH, for MICRO-TUBE, 0.25-0.5" diameter, 3" brush length, 7" overall length
47.	BRUSH, for TEST TUBE, 0.5" diameter, 3" brush length, 8" overall length
48.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 1000ML, 17" Length, 1-3/4" dia, 5" brush length
49.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 250ML, 12" Length, 1-3/8" dia, 3-1/2" brush length
50.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 500ML, 14" Length, 1-1/2" dia, 4" brush length
51.	BRUSH, Kitchen Cleaning Brush; Long Handle Cleaing Brush with Removable Brush Sponge; With Built-in Dispenser of Dishwashing Liquid
52.	BUNSEN BURNER, • Designed with a flame stabilizer to provide a steady flame for general laboratory needs. - Stable, heavy base - Steady flame • Stable, heavyweight die-cast base of nickel-plated zinc-alloy with aluminum mixing tube, 8mm (5/16") serrated gas inlet, and air regulator. The optional wing top produces a broad flat flame for working glass and general lab use. • Height - 15.6cm (61/8") • Natural Gas Burner with output 800–1200 BTU
53.	BUNSEN BURNER, Standard Burner, Natural Gas, 1/2" (13mm) Mixing Tube OD, 5.33 CFH, 5,465 BTU Output, 5-3/8" (137mm) Overall Height
54.	BURETTE, 25ml, with plastic stopcock
55.	CAPILLARY TUBE, cat no. 2501, 200 tubes/vial
56.	CART, LABORATORY WIRE BASKET GLASSWARE CARTS - Fully assembled from 18-gauge, 1 inch square steel tubing; 4 inch diameter casters which absorb vibration over rough, uneven floors. Two have toe-locks.; four wire basket racks; Includes removable drip pan; Ergonomic, extruded rubber handle grips; Lightweight, vinyl-coated portable wire baskets are corrosion resistant, easy to clean and safe for transporting glassware. Overall, 34 7/8" x 19" x 36 3/8" high
57.	CLAMP, for laboratory use, iron, 3-prong
58.	CONTAINER, Plastic Carboy, chemical resistant for Laboratory Wastes like Acids and Organic Solvents, 20-25 L capacity.
59.	CORK BORER SET, Plated Brass, Set of 15, 3/16" to 15/16" OD Size
60.	CORK STOPPER, 16, 25, and 50mm diameter (pack of 500)
61.	COTTON SWAB, Cotton tipped applicator with 6" wood shaft, single-tip, sterile, 1000/box
62.	COVER GLASS RECTANGLES, 11 x 22, 1 oz. Box
63.	CULTURE TUBE CAP, FOR 13MM GLASS CULTURE TUBES, Blue, 100/bag
64.	CULTURE TUBE CAP, FOR 16MM GLASS CULTURE TUBES, Blue, 100/bag
65.	CULTURE TUBE CAP, FOR 25MM GLASS CULTURE TUBES, Blue, 100/bag

66.	CULTURE TUBES, with screw caps. Borosilicate type. OD x L = 25 x 150 mm or 22 x 175 mm or 25 x 200 mm. Capacity to Neck: 50 mL. 10 pieces/pack. Total of 20 pieces. For TSU-ATL use.
67.	DE-OILING MACHINE, (Fried Deoiler Machine) This deoiling machine is used to deoil (remove the extra oil) from the vegetables. It adopts centrifugal principle; it has excellent performance and won't damage to vegetables. This potato chips deoiling machine was made of full stainless steel, full closed and digital control, on the other hand, it also install the system of shake proof, adopt the principle of centrifuge, equipped with electric brake, automatic digital controlling, was made of stainless steel, was the most advanced dewatering device of vegetable and food, suitable for food and vegetable dewatering operation of behind of washing; Voltage:220V/380V/Customization; Power:2.2kw; Weight:420kg; Dimension(L*W*H):1200*700*750mm; Name: Deoil Machine; Application: Remove oil from snack; Capacity:500kg/h; Function: Multifunction; Advantage: Simple Operation; Material:304 Stainless Steel; Feature: High Efficiency; Type: Batch
68.	DIAL THERMOMETER, with Calibration Certificate Using stainless steel probe, anti-rust, anti-corrosion, high temperature resistance. Using silk screen technology, the scale is clear, and the measurement reading is more accurate. Bimetal thermometer, durable and stable performance. Widely used in residential equipment such as ovens and grills and industrial equipment such as heaters and oil refineries. Specifications: Material: Stainless steel; Temperature range: 100~550°F; Installation method: Shaft; Accuracy class: 2.0; response time: ≤40s; IP rating: IP55; Angle error: below 1% of scale; Dial diameter: 80mm; Nut diameter: 14*10mm; Stem diameter: 6mm; Stem length: 75mm; Screw thread: M8*1; Item Size: 8*8*8.9cm / 3.14 * 3.14 * 3.5in; Item Weight: 96g / 3.38oz; Package Weight: 123g / 4.33oz; Package Size
69.	DIGITAL ANALOG SCALE, Capacity : 200g 600g 1000g 1500g 2000g 3000g 5000 High precision load cell Rugged plastic housin Big size stainless steel pan High contrast easy to read LCD display Height adjustable feet Full capacity subtraction Stabilization time 1.5 seconds Overload protection Below balance weighing facility Checking weighing, piece counting function Bubble level for choice RS232 Interface
70.	DIGITAL CALIPER, • Calipers measure outside diameter, inside diameter, and depth. - Ergonomic Design - Traceable® • Ideal for measuring outside diameter of stoppers, inside diameter of tubing, and depth of vials. • Zero button instantly sets closed jaws or any reference point to zero. • Floating Zero™ may also be set in mid-measurement to read “difference results” without calculations. • Calipers feature ergonomic design and durable hardened stainless steel or composite carbon fiber construction. • Easy-to-read, 0.6 cm (1/4") high, digital readout switches from millimeters to inches at the touch of a button. • Friction thumb roller allows for fast readings. • Depth bar extends from end of instrument and no lubrication is ever required on the slide bar. • Material : Stainless Steel • Dimensions : 27.9 x 7.6 cm (11 x 3") • Accuracy: ±0.03 mm (±0.001") • Measurement Range : 0–20.3 cm (0–8") • Resolution: 0.01 mm (0.0005") • Supplied with battery (runs for 10,000 hours).
71.	DIGITAL CALIPER, with Calibration Certificate; Designed with a slim, streamlined profile that is comfortable and easy-to-use. Features a large, clear

	LCD display with a long battery life and function buttons for zero and inch/mm. With a resolution of 0.01mm; Lightweight, ergonomic design; Integrated depth rod; Last measuring position retained when shut off; Large, easy-to-read, high-contrast LCD digital readout; Inch/millimeter conversion reads 0.0005" or 0.01 mm; Zero at any position; Fine adjustment thumb wheel; Hardened stainless steel body; Auto-Off after 30 minutes; RS232 output; Output jack; Works well with DataSure; Wireless Data Collection systems
72.	DIGITAL THICKNESS GAUGE, Resolution: 0.0005 in, 0.01 mm; Accuracy: +/- 0.001 in; Data Output Type: Cable; Actuation Type: Trigger; Actuation Type: Trigger; Contact Material: Ceramic; Dimension Type: Inch/Metric; Range: 0 in to 1/2 in, 0 mm to 12 mm; Throat Depth: 4.7"; Anvil Diameter: 0.394"; Battery Size: Silver Oxide Cell SR44; Display Type: LCD; Grip Style: Convenient Grip; Maximum Measuring Force: 1.5 N; With Calibration Certificate
73.	DISPENSING BINS, Acrylic, large, (7W X 12D X 10.5H) - Flip top lids on the top and on the front; Made from premium acrylic; Holds tube caps, cotton balls, pipette tips, analyzer cups, etc.
74.	DISTILLING KIT, made from heat-resistant borosilicate glass; 1 Erlenmeyer Flask, 500ml; 1 Distillation Flask with Thermometer Holder, 1L with a 24/40 ground glass joint; 1 Biomass Flask; 1 Distilling Arm with a 45/50 ground glass joint; 1 Distillation Separation Tube; 1 Liebig Condenser, 300mm long with 24/40 ground glass joints; 1 Support Stand; 1 Extension Clamp; 1 Clamp Holder; 1 BURETTEe Clamp; 5 Feet of Latex Tubing; 1 Glass Stopper; 2 Head Clips
75.	DROPPER, for medicine, Glass, (36/pack)
76.	DROPPING BOTTLE, with dropping bulb and pipet, Standard Taperground-glass stopper 125 ml
77.	DURHAM TUBES, 6 x 50 mm, borosilicate glass tube
78.	DURHAM TUBES, 8 x 45 mm
79.	ELECTRODE TIP GUARD, compatible with ADWA pH meter electrode. 2 pcs/pack
80.	ELECTRONIC HOTPLATE, with magnetic stirrer, glass ceramic top which has excellent chemical resistance The surface is easy to clean Robust coated aluminium Flashing "Hot" warning light, mains independent Accurate temperature control with LED indicator scale Powerful magnets and motor give stirring speeds up to 2000rpm Supplied with 2 x 25mm PTFE coated stir bars Hotplate Material Ceramic Plate Size 150 x 150mm Maximum Hotplate Temperature +450°C Magnetic Stirrer Yes Maximum Stirring Capacity 15L Maximum Stirrer Speed 2000rpm Power Rating 550W Power Source Mains Dimensions 172 x 248 x 122mm Weight 2.9kg Height 122mm Length 172mm Plate Length 150mm Model Number pUC152 Plate Width 150mm Width 248mm
81.	ENERGY TRANSFER CALORIMETER, 1x Outer Aluminum Cup (8.9 cm tall, 4.7 cm dia) 1x Inner Aluminum Cup (7.5 cm tall, 3.8 cm dia) 1x Plastic Lid 1x Two-Hole Rubber Stopper 1x Heating Resistor with Input Cables
82.	ERLENMEYER FLASK, 1L, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume
83.	ERLENMEYER FLASK, 250ml, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume
84.	ERLENMEYER FLASK, 500ml, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume
85.	EVAPORATING DISH, Porcelain, 100mL capacity
86.	FILTER ADAPTER, Filter Adapter, Plus Stopper Thermometer Adapter Centrifuge Tube with Snap Cap, 15 mL

	<p>Chromatography Column, Glass 150 mm w/ Disc One Way Stopcock, PE/Nylon Connector w/ Support Rod Connector Only Distillation Column Distillation Head, 60 mm Short Neck Flask, 5 mL Long Neck Flask, 5 mL Erlenmeyer Flask, 10 mL Filter Flask, 25 mL Hirsch Funnel, with Disc Reaction Tube, 10 x 100 mm Spatula, S.S. Sleeve Stoppers</p>
87.	<p>FILTER FORCEPS, BLUNT END, AND STAINLESS STEEL, FILTER FORCEPS, BLUNT END, and STAINLESS STEEL - Stainless steel, self-closing; Flat, smooth tips are bent at a slight angle to minimize damage to filter; Serrated gripping area; Durable construction; Autoclavable; Unique cross-action design lets you hold membrane without applying constant pressure</p>
88.	<p>FILTER PAPER, Ordinary, 100 circles/box, 12.5 cm.</p>
89.	<p>FILTER PAPER, Qualitative, #1, with diameter of 150 mm. 100 pieces per box.</p>
90.	<p>FILTER PAPER, Qualitative, #2, with diameter of 150 mm. 100 pieces per box.</p>
91.	<p>FILTER PAPER, Whatmann, Number 1, Pack of 100</p>
92.	<p>FILTER PAPER, Whatmann, Number 40, pack of 100</p>
93.	<p>FILTER PAPER, Whatmann, Number 42, pack of 100</p>
94.	<p>FILTRATION SET-UP AND ASSEMBLIES, Including Glass Frit; SS Screen and SS Holder with Clamp; Fritted Glass Support; 47 mm; Used for General Filtration; Supplied with a coarse fritted glass support base; 300ml Graduated Funnel; Anodized Aluminum Clamp and a #8 Stopper; 2 years warranty on parts and services with training or demonstration</p>
95.	<p>FLASK, Rotary Evaporator Accessories. Should be compatible with existing DLAB Pro-100 brand. Including spare round bottom flasks of different capacities with neck size 29/32</p>
96.	<p>FLASK, VOLUMETRIC FLASK, 25ml, Borosilicate glass. Clear. with plastic/glass cap</p>
97.	<p>FLASK, VOLUMETRIC FLASK, 50ml, Borosilicate glass. Clear. with plastic/glass cap</p>
98.	<p>FORCEPS, FILTER, BLUNT END, and STAINLESS STEEL - Stainless steel, self-closing; Flat, smooth tips are bent at a slight angle to minimize damage to filter; Serrated gripping area; Durable construction; Autoclavable; Unique cross-action design lets you hold membrane without applying constant pressure</p>
99.	<p>GLASS BEADS, 5mm laboratory, pack of 500</p>
100.	<p>GLASS BEADS, made of solid borosilicate or soda-lime glass, chemical resistant with approximate diameter of 5 mm, 1 lb per case.</p>
101.	<p>GLASS FUNNELS, short stem 60 and 100mm diameter</p>
102.	<p>GLASS WEIGHING BOTTLES, low-form, capacity: 1.18 oz., 35 mL; capacity (metric): 35 mL Capacity (english): 1.18 Oz. form: low form; material: borosilicate glass; no per case: 6/Cs. sterility: non-sterile; standard taper joint: 50/12 weight (metric) 53g</p>
103.	<p>GLASS WOOL, analytical grade. Comes in sheets 3mm thick x 250 mm wide x 1,300 mm long. Provide SDS of the chemical and certificate of analysis upon delivery. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.</p>
104.	<p>GPS DEVICE, HANDHELD, 4-in screen, 480x272-pixel resolution, 3-axis compass with barometric altimeter, GPS and GLONASS satellites</p>
105.	<p>GRADUATED CYLINDER, WITH SPOUT, 100 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.</p>
106.	<p>GRADUATED CYLINDER, WITH SPOUT, 1000 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.</p>

107.	GRADUATED CYLINDER, WITH SPOUT, 25 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.
108.	GRADUATED CYLINDER, WITH SPOUT, 50 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.
109.	GRADUATED CYLINDER, WITH SPOUT, 500 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.
110.	HEAT CONDUCTION APPARATUS, The Heat Conduction Apparatus has four metal bars (1 aluminum, 1 stainless steel, 2 brass having different cross-sections). One end of each bar is heated or cooled by applying power to the Peltier device which is attached to one end. Each bar has two 10 k Ω thermistors embedded in it about 3 cm apart from each other. A cable (male 8-pin mini-DIN to male 8-pin mini-DIN) is supplied to connect the thermistors in this apparatus to the PASPORT Temperature Array so data can be recorded from all eight sensors simultaneously. Foam insulators are supplied to cover the bars during the experiment. The apparatus now has a thermoelectric module with a switch to change the DCV being applied to it for a "Heat" or "Cool" option
111.	HEMACYTOMETER, cover slips, Glass, 20x26mm, 0.35mm thickness, 10s/box
112.	HEMACYTOMETER, High light transmission; Brightly illuminated line; Two special counting chamber cover glasses; Light transmission between 29% and 32%
113.	HOTPLATE, with magnetic stirrer - Stirring Quantity Max per stirring position (H ₂ O) [l]: 10; Motor Rating Output [W]: 1.5; Direction of Rotation: Left; Speed Control: Scale 0-6; Speed Range [rpm]: 0-1500; Stirring Bar length max [mm]: 80; Heat Output [W]: 1000; Heating Temperature Range [C]: 50-550; Heat Control: LED; Heating Rate Heating Plate [K/min]: 5-7; Control Accuracy with Sensor [+/-K]: 3 setup; Plate Material: Ceramic; Permissible Ambient Temperature [C]: 5-40; Permissible Relative Humidity [%]: 80; 110/220V + 10%; 50/60Hz; 2 years warranty on parts and services with training or demonstration;
114.	HYDROMETER, 1.500/2.000 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.400/1.650 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.800/2.000 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.000/1.250 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.200/1.450 Specific Gravity Hydrometer for Liquids Heavier Than Water; 0.800/0.910 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.900/1.000 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.690/0.800 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.790/0.900 Specific Gravity Hydrometer for Liquids Lighter Than Water
115.	HYGROMETER, Relative humidity range is 25 to 95%; Resolution is 1% RH; Accuracy is $\pm 3\%$ RH mid-range to $\pm 5\%$ elsewhere; Temperature range is 0-50°C / 32-122°F; Resolution is 1°; Accuracy is $\pm 1^\circ\text{C}$; Meter may be used with bench stand and can also be wall mounted. Unit measures 3 1/2" x 5" x 7/8" and weighs six ounces. Devices are provided with an individually serial numbered certificate from an ISO 17025 calibration laboratory accredited by A2LA. Certificate indicates traceability to standards provided by NIST.
116.	IDEAL GAS LAW APPARATUS, 1x Ideal Gas Law Syringe 1x Built-in Fast Response Thermistor 1x Quick-Connect Pressure Port 1x Male Luer connectors to attach wireless pressure sensor
117.	INOCULATING NEEDLE, Length: 45mm
118.	INOCULATION LOOP, Rigid, 10uL with Needle, with Calibration Certificate, STERILE, Yellow, Individually Wrapped, 500/pack
119.	INSECT LIGHT TRAP, 10 watts, 16 x UV-A LED insect light with spectrum at 365nm for best attraction • Long lamp working hours • Allows 360 degrees insect attraction • With Electric Grid • With on / off switch • ABS Fireproof plastic

	material • With collection tray for easy cleaning • With chain for wall hanging • Desktop or floor stand use Color: Dark gray DIMENSION: (L)33cm x (W)10cm x (H)26cm
120.	IRON CLAMP, 3-prong Iron Clamp, laboratory clamp material: zinc alloy color: silver four prong extension flask clamp size: full length: approx. 26.5cm rod diameter: approx. 7mm rod length: approx 19.5cm securing clip size: full length: approx. 18.5cm rod diameter: approx. 7mm width: approx. 2.2cm
121.	KOVACS INDOLE REAGENT, 100ml
122.	LABORATORY BLENDER, homogenizer, pulverizer, mixer-1 liter capacity, different speed
123.	LABORATORY THERMOMETER, Divisions: 2°F; accuracy: ±4°F; length: 300mm (12in); immersion: total Features red organic liquid against white back glass
124.	LAZY-L-SPREADERS, individually wrapped, sterile, pack of 500
125.	LENS PAPER, BX. 2,000 - Soft, lintless paper, free from impurities; Non-abrasive; safe for coated lenses; Suitable for cleaning optical instruments; Size: 5" x 7"; box contains 2,000 papers
126.	LIGHT INTENSITY METER, Lux/Fc reading, digital LCD display, portable, auto ranging
127.	LPG, Acetylene Gas, high purity for AAS. 250 psi, min. 99% purity, SP gases including the gas cylinder.
128.	LUX METER, Illuminator; with Calibration Certificate; Light meters measure light levels or light pollution within the environment. It's a key piece of equipment to ensure that there is the right amount of ambient light within the workplace, at school or even at home, and are often used by photographers in studios and natural environments to calibrate film equipment. They most often measure light sources like white LED light, fluorescent lighting, metal halide, high-pressure sodium and incandescent lighting; Spectral response close to CIE luminous spectral efficiency; Measures intensities of illumination displays in lux or foot-candles; Silicon photo diode and filter; Light sources measured include all visible light sources; Cosine angular corrected; Auto power off and disable function; Data hold, Max/Min/AVG hold; Real Zero function; Auto-ranging; Light source selecting Tungsten/Daylight, Fluorescent, 0 ~ 9 select rating; Measuring range 400,4000,40 000,400 000 lux, 40,400,4000,40 000 foot-candles; Accuracy ±3% ±3 lux, 0 ~ 500 lux, ±3% up 501 lux (calibrated to standard incandescent lamp 2856°K), ±8% other visible light source; Powered by 1.5 V AAA batteries (x2; Dimensions 133 x 48 x23 mm; Weight (including battery) 80 g
129.	MASK, Surgical Face Mask, 3ply, with earloop, disposable, 50pcs/box, FDA Registered
130.	MEASURING PIPETTE, (BOROSILICATE, 10ML CAPACITY)
131.	MEASURING PIPETTE, (BOROSILICATE, 20ML CAPACITY)
132.	MEASURING PIPETTE, BOROSILICATE, 1ML CAPACITY
133.	MECHANICAL EQUIVALENT OF HEAT APPARATUS, Crank Counter: Counts the number of turns on the handle. Thermistor: Embedded in the cylinder, it has lower thermal mass Durable Construction: Constructed primarily of steel and aluminum, there's virtually nothing to break. The thermistor is protected in the cylinder. 1x Base, cylinder, crank, and counter with a built-in table clamp 1x 1-gallon can that can be filled with a measured mass of sand or water (if 10 kg of laboratory masses are not available) 1x 3.7 m of flat nylon rope 1x Laboratory manual including theory, step-by-step instructions, and data tables

134.	MEDIA STORAGE BOTTLES, 1000 ML - Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.
135.	MEDIA STORAGE BOTTLES, 250 ML, Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.
136.	MEDIA STORAGE BOTTLES, 500 ML - Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.
137.	MEDICINE DROPPER, Glass, 36/pack
138.	MEMBRANE FILTERS, Sterile Cellulose Microplus Membrane Filters - white with 3.1 mm black grid for Membrane-Butler, 0.45 μ m, 47 mm circle (100 pcs)
139.	MICROMETER SET, set of 6 micrometers; External metric micrometer set; Minimum measurement of 0 mm; Maximum measurement of 150 mm; Resolution of 0.01 mm; Accuracy of ± 0.004 mm; Set contains six micrometers, setting rods and adjustment tools
140.	MICROSCALE KIT, Williamson Improved Standard Microscale Kit 26 - Connecting adapter, filter adapter, pluro stopper, thermometer adapter, centrifuge tube, chromatography column with disc, one-way stopcock, PE/Nylon, connector with support rod, connector only, distillation column
141.	MICROSCOPE SLIDES, WHITE GLASS FROSTED, 25 x 75mm
142.	MOLECULAR MOTION MODEL, fifty-one chromed steel balls represent the molecules of a gas in a closed vessel. Heat is simulated by supplying vibrations from a wave driver. When this external energy is applied, the steel balls exert a pressure on the container, forcing the top of the container upward. The relationship between temperature, pressure and volume is clearly demonstrated. Students also gain insight into the effects of temperature and height on the density of an ideal gas in a gravitational field. It can be used on an overhead projector
143.	NARROW MOUTH WASH BOTTLE ASSORTMENT, 250 ML, pack of 5
144.	NICHROME INOCULATING LOOPS, 8" H
145.	NOISE METER, digital LCD display, 30-130 dB range, ± 1.5 dB precision, 0.01 dB resolution
146.	OIL EXTRACTOR MACHINE, Home use oil press machine is a screw-driven oil making machine that used to extract oil from seeds and kernels for edible oil; Size: 650*505*980mm; Voltage: 220V; Rated power: 1600W; Moto power: 1070W; Hopper capacity: 5L; Frequency: 50-60Hz; Packing weight: 60KG; Press Efficiency: up to 13kg; Material: Stainless Steel
147.	OVEN MITTEN, 13" Long Thick Silicone Oven Mitts / Heat-Resistant Oven Mittens / Anti-scalding Kitchen Gloves / Potholder for Cooking & Baking
148.	OVEN THERMOMETER, Measurement Range:50 to 300°C(100 to 600°F); Accuracy: $\pm 10^{\circ}$ C; Certification: RoHS, Reach, etc.; Dimensions: 60*70cm; Weight: 60g Materials: SUS430, Glass, Silicone
149.	OVEN, Manual Set-up Smoke House Oven (3 IN 1 MULTI FUNCTION BARBECUE GRILL AND SMOKER); Built in thermometer; Easy to assemble, easy to clean; First layer can be used for grilling; Second layer can be used for roasting; Third layer for smoking; With free stainless chicken holder; Height: 84cm (including the cover and handle); Cooking diameter : 40cm; Material steel rolled iron
150.	PAPER, Litmus Paper (Blue) - Ajax 2401 100/box
151.	PAPER, red and blue precision litmus paper, pack of 100 strips
152.	PARAFILM, 4 in x 125ft (100mm x 38mm)
153.	PETRI DISH, with cover, 100 X 15 - Flat, clear dishes will withstand repeated sterilization (wet or dry). The edges are beaded to provide greater mechanical strength. The bead also provides a means to equally space the sidewalls of the

	bottom and cover, thereby reducing the capillary action of the condensed moisture on the sides. They are not affected chemically or thermally by any of the methods commonly employed in laboratories where sterilization is routinely used. The covered dish is not airtight. Bottoms also have a triangular enamel reference point for serial dilutions.
154.	PH METER, Handheld Ph Meter/ Thermometer Robust, waterproof and dishwasher-safe protective case (protection class IP68) Temperature specification; Measuring range;0 to +60 °C (Short-term to +80 °C max. 5 min), Accuracy; ±0.4 °C, ;Resolution 0.1 °C pH - Electrode Measuring range;0 to 14 pHAccuracy;±0.02 pHResolution;0.01 pH General Specification, Weight;69 g,Dimensions;197 x 33 x 20 mm ((LxWxH)),Operating temperature;0 to +60 °C, Product-/housing material; ABS, Protection class;IP68,Product colour; white, Length probe shaft;3.5 mm,35 mm, Diameter probe shaft;15 mm, Display type; LCD (Liquid Crystal Display),Display size;2 lines, Measuring rate;2 measurements per second, Temperature compensation; automatic,Storage temperature;-20 to +70 °C.
155.	PH METER, Handheld; with Calibration Certificate; Stable measurements are automatically recognized, allowing for easy readings. Built-in temperature probe ensures efficient temperature compensation. Includes essential accessories to get started right away; Measuring range: 32 to 140 °F (0 to 60 °C); Accuracy: ±0.7 °F (±0.4 °C); Resolution: 0.1 °F / 0.1 °C; pH - Electrode Measuring range: 0 to 14 pH; Accuracy: ±0.02 pH; Resolution: 0.01 pH; Protection Class: IP68; Display size: 2 lines; Storage temperature: -4° to 158°F (-20 to +70°C); Operating temperature: 32° to 140°F (0 to +60°C)
156.	PH PAPER, 0 to 14 range at 100 strips/pack. For immediate and on-site pH checking.
157.	PHENOL, 100g - with MSDS and 3-5 years expiry
158.	PIPETTE SUPPORT RACK, can hold up to 16mm, 50 places pipettes, made of sturdy polypropylene Dimensions: (8 3/8 x 4 1/2 x 8 3/4 in.)
159.	PIPETTE TIPS, 0.1-10UL, Universal, Natural, 31mm, Racked, 96/Rack, 10 Racks/Box (autoclavable tips and tip box)
160.	PIPETTE TIPS, 1 - 200UL, Graduated, Yellow, 54mm, 96/Rack, 10 Racks/Unit (autoclavable tips and tip box)
161.	PIPETTE TIPS, 10 ML, Racked, Box of 28 Tips (autoclavable tips and tip box)
162.	PIPETTE TIPS, 100-1250UL, Universal, Blue, 84mm, Racked, 96/Rack, 6 Racks/Box (autoclavable tips and tip box)
163.	PIPETTE TIPS, 10mL - Bag Of 1000; Fully autoclavable
164.	PIPETTOR, PIPETTOR, SINGLE-CHANNEL, (SET) 0.5 - 10UL, 5-1000UL, WITH 10 UL TIPS, 200UL AND 350UL TIPS IN RACKS @ 1 PACK EACH WITH LINEAR STAND
165.	PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (100-1000ul) - increment 1.0 ul;- Systematic Error for test volumes 100ul needs 12.0ul,500 ul needs 4.0ul and 1000ul needs 7.0ul; Descriptions: - Easy volume adjustment with click stop system;- Large display for easy reading of volume-For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly; -Superior Ergonomics - designed handle and finger

	<p>hook;-Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty</p> <p>2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
166.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(1000-10,000 ul)- increment 20.0 ul;- Systematic Error for test volumes 1000ul needs 30.0ul,5,000 ul needs 60.0ul and 10,000ul needs 60.0ul; Descriptions:-Easy volume adjustment with elick stop system; - Large display for easy reading of volume-For both right-and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette;- Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, -Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;- Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; -Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
167.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(20-200 ul) - increment 0.20 ul; -Systematic Error for test volumes 20ul needs 0.46ul,100 ul needs 0.80ul and 200ul needs 1.20ul; Descriptions-Easy volume adjustment with click stop system; -Large display for easy reading of volume -For both right-and left-handed users; -Color coded for easy matching of fitting tips; -Materials have high chemical and UV- resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, -Superior Ergonomics- designed handle and finger hook;-Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
168.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(500-5000 ul) - increment 10.0 ul; Systematic Error for test volumes 500ul needs 0.46ul,2,5000 ul needs 17.50ul and 5000ul needs 30.0ul;Descriptions: - Easy volume adjustment with click stop system;-Large display for easy reading of volume -For both right-and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; -With light tip ejector;- Fully autoclavable without the need for disassembly, - Superior Ergonomics-designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning</p>

	<p>on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
169.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (0.5 to 10ul) - increment 0.01 ul; - Systematic Error for test volumes 1ul needs 0.030ul .5 ul needs 0.075ul and 10ul needs 0.10ul; Descriptions:- Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette;-Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, - Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil; -Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
170.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (10 to 100ul) - increment 0.10 ul;- Systematic Error for test volumes 10ul needs 0.30ul, 50 ul needs 0.50ul and 100ul needs 0.80ul; Descriptions:-Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette;- Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector, - Fully autoclavable without the need for disassembly, -Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI);- With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
171.	<p>PIPETTOR, Single-Channel High Precision Pipettor, 1,000-10,000µL - Adjustable-Volume Pipettor, 1,000 to 10,000µL; 20 µL increment; Slim ergonomic design and light weight; Ultra-soft plunger activation; adjustable tip</p>

	ejection system; User calibration with integrated key; Accuracy: 5%; 50µL; 1 %; 50 µL; 0.6%; 60 µL
172.	PIPETTOR, Single-Channel High Precision Pipettor, 100-1,000µL - Adjustable-Volume Pipettor, 100 to 1000 µL; 2.0 µL increment; Slim ergonomic design and light weight; Ultra-soft plunger activation; adjustable tip ejection system; User calibration with integrated key; Accuracy: ±0.70%
173.	PLASTIC WASH BOTTLE, HDPE, 500 ml capacity
174.	POWER SPRAYER PRESSURE WASHER, Portable; Voltage: 220-240 V; Frequency: 50/60 Hz; Rated Power: 1,200 W; Rated Pressure: 70 bar; Maximum Pressure: 100 bar; Rated Flow: 5.5 L/min; Maximum Pressure Water Supply: 1.2 MPa; Maximum Water Temperature: 50 C; Sound Pressure Level: 81 dB; Sound Power Level: 92 dB
175.	PREPARED SLIDE, Botany slides: Allium tuberosum (Chives) root, c.s, Arachis hypogaea (Peanut) old stem, c.s, Arachis hypogaea (Peanut) young stem, c.s, Fern prothallium young sporophyte, w.m, Ficus (Fig) leaf with foveolate stomas, c.s., Glycine max (Soybean) root nodule c.s, Lilium (Lily) anther meiosis, c.s, Monocot & dicot leaves, c.s, Monocot & dicot roots, c.s, Monocot & dicot stems, c.s, Moss leaf, w.m., Moss protonemata, w.m, Moss, w.m, Narcissus tazetta (Narcissus) root tip mitosis, c.s., Pine female globose fruit, l.s, Pine male globose fruit, l.s, Pollen germination, w.m, Ranunculus japonicus (Mao gen) root, c.s, Raphanus sativus (Radish) fleshy root, c.s, Solanum tuberosum (Potato) tuber, sec., Three types of plant leaves, section, Tilia (Basswood), one, two & three year stems, c.s, Triticum aestivum (Wheat) seed, l.s, Vicia faba (Bean) leaf stoma, w.m, Zea mays (Corn) seed, l.s
176.	PREPARED SLIDE, Chicken embryology set
177.	PREPARED SLIDE, Frog Ovary; Section H&E Stain
178.	PREPARED SLIDE, Frog's embryonic development, sectioned until 9mm
179.	PREPARED SLIDE, frogs late embryonic development
180.	PREPARED SLIDE, Human Ovary
181.	PREPARED SLIDE, Non-Animal microscope slide set contains 50 professionally prepared and stained tissue specimen slides (Plant, Fungi, Protist (single celled organisms) and Monera (bacteria) Kingdoms. Corn root, l.s., Young root of broad bean, c.s., Teung root of Hydrilla verticillata, l.s., Pumpkin stem, c.s., Pumpkin stem, l.s., Monocot stem, corn, c.s., Dicot stem, sunflower, c.s., Woody dicot stem, linden, c.s., Dicot leaf, c.s., Lower epidermis of broadbean, w.m., showing stoma, Penicillium, w.m., Actinomyces, w.m., Chlamydomonas, w.m., Three types of bacteria, smear, Yeast, w.m., Paramecium, w.m., Hydra, l.s., Mitosis of plant cell, onion root tip, l.s., Pine leaf, c.s., Endosperm of Diospyros, sec. showing plasmodesma, Spirogyra conjugation, w.m., Lichen, sec., Moss antheridia, sec., Moss archegonia, sec., Moss protonema, w.m., Fern leaf, sec., Fern prothallium, s.m., Fern prothallium with young sporophyte, w.m., Germinating pollen of Amaryllis, Lily ovary, sec., Lily anther, sec., Young embryo of shepherd's purse, sec., Old embryo of shepherd's purse, sec., Leaf of winter jasmine, c.s., Volvox, w.m., Aspergillus, w.m., Mushroom, coprinus, sec., Wheat grain embryo, l.s., Paramecia in conjugation, w.Paramecia in fission, w.m., Hydra, c.s. through ovary, Hydra, c.s. through spermary, Hydra with bud, w.m., Leaf of water lily c.s., Sunflower stem l.s., Leaf of celery c.s., Ginko stem c.s., Cotton leaf c.s., Water lily stem cs. (pictured at top), Corn leaf c.s.
182.	PREPARED SLIDE, Pig embryology set
183.	PREPARED SLIDE, Rat (Rattus norvegicus): Testis for Spermatogenesis T.S.
184.	PREPARED SLIDE, Testis, frog, spermatogenesis, TS
185.	PREPARED SLIDE, The Biology Set includes 19 slides: Blood Smear Reptile, Simple Cuboidal Epithelium Tissue, Smooth Muscle C.S & L.S., Spongy Bone Section, Lymph Node Section, Lung Section, Frog Skin Section, Stomach Fundic Region C.S., Red Bone Marrow Section, Frog Testis Section, Integumentary Tissues, Salivary Glands Composite Section, Brain Composite Section, Escherichia Coli Smear Gram Negative, Cardiac Muscle Striated C.S. & L.S.,

	Compact Bone, Liver Section Hepatic Cells, Digestive System Jejunum Section, Kidney Section
186.	PROBE THERMOMETER, For Food Industry, Multipurpose Use, Absolute Maximum Temperature Measurement: +275°C, Best Accuracy: ±0.5 °C, Resolution: 0.1 °C, Length: 215mm, Width: 34mm, Height: 19mm, Temperature Scale: Centigrade, Fahrenheit, Battery Type: AAA, Weight: 80g -with Calibration Certificate
187.	PROFESSIONAL ASTRONOMICAL MONOCULAR TELESCOPE, Objective lens Objective lens focal length Eyepiece 1Aspherical eyepiece 23mm Eyepiece 2Aspherical eyepiece 10mm Mirror90° mirror Tube material Aluminum alloy Optical structure Refractive Finder Red dot finder Bracket AZ theodolite Coating FMC antireflection film Tripod Stainless steel tripod Color White Features: High strength aluminum alloy material. HD clear and bright imaging. Easy to shoot. Quick installation. Portable and easy to carry. Package included: 1 x Astronomical telescope 1 x Portable storage bag
188.	RADIATION CANS, These three aluminum cans have different surface finishes: silver (unpainted), white, and flat black. They are 15 cm high and hold about 350 ml of water. Their large thermal mass ensures good results with both temperature probes and standard glass thermometers. Fill them with cool water and place them outside in the sunlight to investigate the effect of the surface finish on solar heating. Or place them inside filled with hot water to discover Newton's Law of Cooling
189.	RAIN GAUGE, Measures up to 5 inches(120 millimetre)of rainfall.It is a must-have rain water measuring device for your garden lawn. The rain measuring device is marked with two scales (120 millimetre and 5 inches) of rainfall and easy to read. A simple rain gauge that has no complicated calibration or electronic set up. It is great for people who likes gardening. Small size, lightweight, easy to carry and storage. Material: Plastic Size:25x4.5x2.7cm
190.	REFRACTOMETER, 0%-32% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual
191.	REFRACTOMETER, 28%-62% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual
192.	REFRACTOMETER, 58%-90% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual
193.	REFRACTOMETER, Salinity; Scale Range: Sodium chloride 0.0 to 28.0%; Minimum Scale: Sodium chloride 0.2%; Size & Weight: 3.2×3.4×20.3cm, 105g

194.	REFRIGERATOR, Type: Top Mount; Smart Function: Smart Diagnosis; Capacity, Total Shelf Area: 445/478 (Liters Net/Gross); Defrost System: No Frost; Temperature Control: Electronic; No. of Fresh Food Shelves: 8; Adjustable Door Shelves: 3; Adjustable Fresh Food Shelves: 2; Crisper Shelf: 1; No. of Freezer Shelves: 2; No. of Door Shelves – Fresh Food: 3; No. of Door Shelves – Freezer: 2; Refrigerator Light: Yes; Insulation: Cyclopentane; Power Requirements: 220 V (60Hz); Color: Platinum Silver ; Net Weight (kg): 77; Gross Weight (kg): 87; Net Dimensions (WxHxD): 700mm x 1780mm x 730m; Gross Dimensions (WxHxD): 740mm x 1860mm x 770mm; Inclusion: Ground Wire, Egg Tray, Ice Tray Twist / Ice Box, Handle
195.	REPLACEMENT GLASSTUBES, The Replacement Glass Tubes kit includes two packs of silicone compound lubricant, two glass tubes, and twelve O-rings: two large, two medium, and eight small. The large O-rings are replacements for the ring at the top of the inner glass tube. The medium O-rings are replacements for the ring at the top of the piston rod where it joins the handle. The small O-rings are replacements for the rings on the end of the Compression Igniter piston rod and for the rings on the post that is part of the removable base. The lubricant is for the small O-rings on the piston rod. 2x Inner Glass Tube 8x Small O-ring (3/16") 2x Medium O-ring (1/4") 2x Large O-ring (7/16") 2x Lubricant (Silicone Compound), Packet
196.	RESEALABLE PLASTIC BAG, size: 6.5 x 9.5 in, 100 pcs per pack
197.	RIMLESS CULTURE TUBES, 20 ML, 16x150mm - reusable rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.
198.	RIMLESS CULTURE TUBES, 55ML, 25x150mm – reusable e rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.
199.	RIMLESS CULTURE TUBES, 9 ML 13x100mm - reusable rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.
200.	RUBBER STOPPER BORER, with different sizes/diameter
201	RUBBER STOPPER, Solid black, (# 6 for 250 mL erlenmeyer flasks), 25 mm length. 10 pieces /pack
202.	SALMONELLA CHROMOGEN AGAR SET, Salmonella Chromogen Agar Base (4x29g); Salmonella Chromogen Agar Supplement (4 vials); per set; Provide SDS of the chemical and certificate of analysis. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.
203.	SAMPLE VIALS, 12 ML, 19x65mm Amber Borosilicate Glass Vial, 15-425mm Thread, Assembled with Black Solid Top Polypropylene Closure PTFE/F217 Lined, 100/pack
204.	SAW MACHINE, Meat Bone Saw Machine; AV SM-100C Meat Band Saw 10" With sliding table, vertical and horizontal fence Easy to operate Bandsaw mincer for slicing and cutting at the same time Stainless steel table. Adjustable height Specifications Cutting Capacity: 440 (W) x 200 (H)Motor HP: 1 HP Single Phase
205.	SCREW CAP CULTURE TUBES, WITH PHENOLIC CAPS, 25ML - 20X125MM,
206.	SCREW CAP CULTURE TUBES, WITH PHENOLIC CAPS, 50ML
207.	SEAM MICROMETER, Minimum Reading (mm): 0.01; Measuring Range (mm): 0~13; Specification: For aluminum cans
208.	SEPARATORY FUNNEL, 125ml
209.	SEPARATORY FUNNEL, 250 mL. Borosilicate type. Height: 311 mm. Pear shaped (Squibb) type with Teflon stopcock. Clear glass body. Highly chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 included.
210.	SEPARATORY FUNNEL, Glass, 500 mL. Borosilicate type. Height: 354 mm. Pear shaped (Squibb) type with Teflon stopcock. Clear glass body. Highly

	chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 included.
211.	SIEVE, standard, Bottom Pan, 8" diameter, stainless steel, full height
212.	SIEVE, standard, No. 200 (0.075 mm, 8" Diameter, Stainless Frame and Cloth)
213.	SIEVE, standard, Pan (Stainless steel with skirt full height)
214.	SLIDE STAINING AND STORAGE SYSTEM, Made of black polyoxymethylene (POM) plastic which is easy-to-clean and resistant to chemicals used in staining procedures. Slide Rack: Holds twenty-five, 25 x 75mm (1 x 3") slides in numbered slots; Has open bottom for rapid draining and a handle so the rack can be lifted to add or remove slides without touching the staining solution; Maximum use temperature is 90°C (194°F) Staining Dish: Capacity: 250mL; only 150mL is needed when using slide rack; provides a savings on staining liquids, developing fluids and intermediates; Tight lid helps minimize spills and evaporation; Lid inside has a built-in slide rest; also provides a compartment for a drying agent; Dish is easy-to-clean; cover will not jam in freezer storage
215.	SOIL PH METER, with external electrode, waterproof case and connectors, calibration solutions included accuracy ± 0.07 pH (between 5 and 9 pH)
216.	SOLUTION, Bile solution, Salts Mixture - 100g - with MSDS and 3-5 years expiry
217.	SPATULA, PORCELAIN, WITH SPOONS SET FROM 100MM – 260MM, 0.1ML – 6ML
218.	SPECIFIC HEAT SET, This specific heat set has five different materials, all with the same mass (80 g). Each has a hole to tie a loop of string to hang the samples in water. 1x Aluminum 1.25" d x 1.5" h 1x Brass 3/4" d x 1.5" h 1x Stainless Steel 3/4" d x 1.44" h 1x Zinc 3/4" d x 1.58" h 1x Copper 0.625" d x 1.8" h
219.	SPREADER, Lazy-L, individually wrapped, sterile (pack of 500)
220.	STAND, for test tubes, REINFORCED PP, 13MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.
221.	STAND, for test tubes, REINFORCED PP, 16MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.
222.	STAND, for test tubes, REINFORCED PP, 25MM, 18-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.
223.	STORAGE BINS, 25-30L Black carbouy
224.	STORAGE RACK, Laboratory Sample Storage Rack, material: cold rolled steel or galvanized steel, 1.0mm or 1.2 thickness. weight capacity: 100kg per layer, customized: style: can be assembled and disassembled easily, size: 2200x450x2000mm, customized. 3 to 4 layers.
225.	STORAGE TRAY, rectangular, multipurpose plastic, 22.5x16x7 cm
226.	SYRINGE FILTER, Sterile; PES membrane, 0.2 um, 13 mm, 100pcs per pack
227.	TAPE, Strate-Line Autoclave Indicator Tape, 1" x 60yds
228.	TEMPERATURE DATA LOGGER, with Calibration Certificate - PDF reports can be automatically generated without software; Direct USB connection. NFC wireless communication is possible; Temperature during transportation of pharmaceuticals, food, precision equipment, and art; Temperature Measurement Range (°C): -35~70; Minimum Scale (°C): 0.1; Type: 150 days used up; Memories number: 40000; Dimensions, Width W x Depth D x Height H (mm): 44x12x97mm; Mass (g): 45; Battery replacement: Impossible; Measuring Item: temperature

229.	TEST STRIPS, litmus pH indicator strips universal application (0-14), pack of 100 strips
230.	TEST TUBE BASKET, Constructed of polypropylene; Baskets hold test tubes, centrifuge tubes and bottles; Designed for autoclaving, washing and incubating; Each basket comes with a permanently attached lid. Tapered sides allow baskets of the same size to nest for storage. Slotted to allow complete drainage and circulation of water, air and steam. (6" x 6.6" x 7")
231.	TEST TUBE BASKET, Constructed of polypropylene; Baskets hold test tubes, centrifuge tubes and bottles; Designed for autoclaving, washing and incubating; Each basket comes with a permanently attached lid. Tapered sides allow baskets of the same size to nest for storage. Slotted to allow complete drainage and circulation of water, air and steam. (9" x 9" x 9.4")
232.	TEST TUBE STAND, REINFORCED PP, 13MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.
233.	TEST TUBE STAND, REINFORCED PP, 16MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.
234.	TEST TUBE STAND, REINFORCED PP, 25MM, 18-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.
235.	TESTER, Manual Water Pressure Test Pump
236.	THERMAL EXPANSION APPARATUS, students can accurately and easily investigate the expansion of metals with increasing temperature. Brass, copper and aluminum tubes are included so that students can compare the coefficients of expansion of the different metals. The fluid used to heat the tubes can be water or steam at any temperature. We recommend using our Steam Generator (not included). Each tube has a built in thermistor housed under a short length of insulation which does not affect results but makes the tubes easier to handle when heated. Built-in Digital Gauge: Measure the rod expansion with 0.01 mm resolution Built-in Thermistor: A 10 k thermistor is connected directly to each tube and the temperature can be determined using a digital ohmmeter or Temperature Sensor. Heat with Steam or Water: The fluid used may be steam or water at any temperature. Three Drop-in Metal Tubes: Each tube connects securely onto the rigid base. The other two can be simultaneously mounted on the base for convenient storage
237.	THERMAL MULTIMETER, 80X60 IR Resolution, 50X38 field of view, 10A max, 600mA min, 600V max, 600mv
238.	THERMOGUN, with Calibration Certificate -The fast and versatile infrared thermometer with 2-point laser marking and 30:1 optics. The surface temperature of smaller objects can be measured at a safe distance. The diameter of the measuring spot is only 36mm at a distance of 1m. Possibility of connecting external temperature probes; Absolute Maximum Temperature Measurement: +400°C; Temperature Scale: Centigrade; Absolute Minimum Temperature Measurement: -30°C; Distance to Spot Ratio: 12:1; Best Accuracy: ±1.5 °C; Emissivity: 0.1 → 1; Resolution: 0.1 °C; Data Storage: Yes; Response Time: 0.5 s; Length: 38mm; Width: 75mm; Height: 190mm; Weight: 200g
240.	THERMO-HYGROMETER, with Calibration Certificate; Suited for monitoring the indoor climate and dew point in greenhouses, storage, museums, laboratories, and in any location where a continuous and reliable monitoring of the humidity is warranted. The device is designed for installation on wall or table surfaces. The capacitance humidity sensor is specially designed for long-term measuring; Dim: (L x;W x H) 40 x 120 x 89 mm; Weight: 168 g; Height: 89 mm; Length: 40 mm; Width: 120 mm; Dew point/mould detector Humidity reading accuracy: 3 RH; Accuracy ± °C: 0.5 °C; Humidity reading range (max.): 98 RH; Humidity reading range (min.): 10 RH; Humidity reading accuracy: ± 3 RH; Temperature: 0 to +50

	°C; Power supply (details): 9 V battery pack; Humidity reading range: 10 -98 % RH; Power supply: 9 V battery (1x); Max. temperature: +50 °C; Min. temperature: 0 °C
241.	THERMOMETER, INFRARED - Range: -4 to 930°F / -20 to 500°C; Resolution: 0.2°; Accuracy: ±2°C from -20 to 100°C; ±2% from 100 to 500°C; Emissivity: 0.95 fixed; Distance to Spot Size Ratio: 8:1
242.	THERMOMETER, Red Liquid; 12"; Partial Immersion; Dual Scale; -20 To 150 C / 0 To 300 F
243.	THERMOMETER, Stem With Lollipop Head- Range -58°F to 626°F and -50°C to 330°C; Resolutions: 0.1°F or °C; Accuracy: +/- 0.8°F (0.4°C) from 14 to 212°F (-10/100°C); Auto Calibration; Min/Max Memory; Auto Off Feature; Stem length 300 mm
244.	TISSUE, PRECISION WIPES TISSUE WIPERS, 1-ply, are an economical choice for general low-lint cleaning tasks; Soft and absorbent; Anti-static dispensing reduces lint; Coated packaging helps protect wipes from spills (280 pulls per box)
245.	TLC DEVELOPING TANK, For Phytochemical Laboratory. The tank's clear sides allow for visual inspection of TLC plates up to 20 x 20 cm size. The top of the tank is ground flat to match the lids and the edges are beveled to remove any sharp edges. The bottoms are ground to provide a flat, level surface. A raised ridge along the inside bottom allows the simultaneous development of two 20 x 20 cm or four 5 x 20 cm plates. A standard lid is included. Inside dimensions (W X D X H): Approximately 27 x 7 x 25 cm.
246.	TLC PLATES, Silica Del F254 Coated Aluminum-Backed TLC Sheets (pack of 100) Analysis Time 20 to 200 min. Disposable Yes For Use With (Application) In-process control in drug synthesis, identity and stability testing of drugs, quality control of pharmaceuticals,
247.	TRAY, Nursing Trays
248.	TRAY, plastic, 12 x 18
249.	TRIANGULAR FILE, 8", laboratory glass triangular file with ergonomic handle
250.	TUBING, latex rubber, 0.3 x 0.5cm 300CM Natural Latex Rubber Band Yellow Specification: Material:Natural Latex Color:Yellow Size:300 x 0.5 x 0.3cm/118 x 0.2 x 0.12""(L x Outside Dia x Inner Dia) Weight:39g
251.	UTILITY TRAY, made of POLYPROPYLENE, 10-1/4" X 6-1/4" X 4-1/8" - Heavy-duty for repeated autoclaving of small instruments and labware; With tapered sides, rounded corners and strong rims; Stackable
252.	UTILITY TRAY, made of POLYPROPYLENE, 12-3/4" X 10-1/8" X 4-1/4" - Heavy-duty for repeated autoclaving of small instruments and labware; With tapered sides, rounded corners, and strong rims; Stackable
253.	UTILITY TRAY, stainless- Material: 201 or 304 stainless steel; Dimension (L x W x H): 21.5cm x 31.5cm x 1.5cm); Seamless; Finish : Polished
254.	VACUUM DESICCATOR, plastic
255.	VACUUM GAUGE, 30" to 0 psig, 1/4" NPT CBM, 2" dia, SS; with 316 stainless steel wetted surfaces.
256.	VACUUM GAUGE, 30" to 0 psig, 1/8" NPT CBM, 2" dia, SS; with 316 stainless steel wetted surfaces.
257.	WATCH GLASS, 80mm ribbed
258.	WEIGHING SCALE, Digital Table Top ; Capacity: 30 kg; With Calibration Certificate; Graduation: 0.001 kg; Weighing, Checking, Counting and Animal Weighing Function, Tri-Color Check result backlight indication, Configurable keypad and check buzzer, Add-Tare-Memory (ATM) and Remove-Tare-Memory (RTM) function, Auto, Preset, Repetitive and Continuous Tare function; Weight and Quantity check mode, Result Check Control for, Accumulation, Data Printout and Data Output, Keypad Lock function; Battery protection circuits, Real time clock, Full Numeric Keypad; RS-232 Bi-directional communication with PC,

	Display: 6 x 31 mm HTN Bold Type Wide Angle LCD Numeric Digits, Weighing Units: kg / g / lb; Power Source: Built-in Rechargeable Battery = 6V, 4AH; Switching Power Supply = DC 12V, 1A, Platter: 210 x 250 mm ABS Platter with Stainless Steel Insert
259.	WEIGHING SCALE, Platform; Capacity: 300 kg; with Calibration Certificate; Graduation / Readability: 0.01 kg; Platform Size: 500 mm x 600 mm Function Modes = Weighing, Piece Count and Animal Weighing Mode Check Mode: with synchronized Tri-Color Backlight Indication & Buzzer, Add-Tare-Memory (ATM) & Remove-Tare-Memory (RTM) Function provides Easy Commodity Sorting and Checking Operation; Peak Measuring Mode, Auto & Pre-set Tare Function; Product Code and Customer Code Registration and Printing; Keyboard Lock Function, Display Indication: Zero, Gross, Net, Weighing Range, Memory & Battery Level & Recharge Indicators; Connection with Computer, External Remote Display, Ticket Printer & Label Printer, Can set Machine Number (0000~9999) and Group Number (00~99), Can be interfaced with Serial Bar-code scanner to enter product code and Full numeric keypad
260.	WIRE RACK, for transporting bags in upright position; Plastic coated; Double grid design; Racks have a second grid 1" below the top to keep bags upright.; 12-Compartment Rack; 10 1/2" x 11 1/2" x 3 1/4"
261.	WIRE RACK, for transporting bags in upright position; Plastic coated; Double grid design; Racks have a second grid 1" below the top to keep bags upright.; 15-Compartment Rack; 9 1/4" x 6 3/4" x 3"

Note: Bidders must state in the Statement of Compliance either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provision of **ITB** Clause 4.

Section VIII. Bid Documents Checklist

This Bid Documents Checklist is provided to guide the Bidder in preparing his/her bid. The checklist may be used by the Bidder to verify if the Bid includes all the prescribed documents.

The Bidder, in submitting the required documents, must use the prescribed forms found in Section X. Bidding Forms. However, should a bidder choose to use a different formatting style for a required document, the bidder must ensure that the substance in the form given in Section X for that particular document is substantially captured in the equivalent document.

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; and
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission or Original copy of Notarized Bid Securing Declaration; and
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; and
- (f) Original duly signed Omnibus Sworn Statement (OSS) and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

- (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- (i) Original of duly signed and accomplished Financial Bid Form; and
- (j) Original of duly signed and accomplished Price Schedule(s).

Section IX. Bidding Forms

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[Bidder's Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

Statement of Single Largest Completed Contract Similar to the Contract to be Bid

Row 1: Name of Contract Row 2: Location	Contract Price	Row 1: Procuring Entity Row 2: Address Row 3: Contact Person/Tel. No.	Description of Goods	Date of Award	Date Completed

Attached herewith are the following documents: Contract Agreement, Notice of Award, Notice to Proceed, Official Receipt/Invoice, Certificate of Final Inspection, and Certificate of Acceptance, as evidences in support of the foregoing information.

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[Signature]
[Name of Bidder or Authorized Representative]
[Position or Title]

Bid-Securing Declaration

Republic of the Philippines
City/Municipality Of _____) S.S.

x-----x

Invitation to Bid [*Insert reference number*]

To: **Tarlac State University**

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1 (f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and
 - i) I/we failed to timely file a request for reconsideration or
 - ii) I/we filed a waiver to avail of said right;
 - c. I am/we are declared as the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [*month*] [*year*] at [*place of execution*].

[*Signature*]
[*Name of Bidder's Authorized Representative*]
[*Signatory's legal capacity*]
Affiant

SUBSCRIBED AND SWORN to before me this ___ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

Witness my hand and seal this ___ day of *[month]* *[year]*.

[Name and Signature of Notary Public]

Serial No. of Commission _____

Notary Public for _____ **until** _____

Roll of Attorneys No. _____

PTR No. __, *[date issued]*, *[place issued]*

IBP No. __, *[date issued]*, *[place issued]*

Doc. No. ____

Page No. ____

Book No. ____

Series of ____.

[Bidder's Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

Compliance to the Technical Specifications

Item No.	Description	Bidder's Compliance State "Comply" below if your offer is complying with the specifications, otherwise state "We are offering the same goods with the following specifications [State the complete specifications of the alternative offer]"
1.	AERATOR, for BOD Analysis. For dilution water and seed inoculum.	
2.	ALCOHOL LAMP, glass, medium size	
3.	ALCOHOL, denatured	
4.	AMBER BOTTLE, 100mL amber round bottle with black propylene ribbed cap	
5.	AMBER BOTTLE, 25mL amber round bottle with black propylene ribbed cap	
6.	AMBER BOTTLE, 50mL amber round bottle with black propylene ribbed cap	
7.	ANAEROBIC SYSTEM, includes polycarbonate jar (9 x 5 in.); lid with O-ring gasket (rubber); clamp/thumbscrew assembly; catalyst reaction chamber; two catalyst charges; rack for 12 x 100 mm culture dish; tube holder for thirteen 16.5 x 128 mm tubes.	
8.	ANALYTICAL BALANCE, Standard level analytical balance 252g x 0.0001g; 90mm pan size, high performance benchtop meter, specifications: ± 0.01 pH; ± 1 mV; ± 0.5 oC; -1999-1999 mV; Measurement resolution -50C - 110oC; inclusive meter, electrode and pH powder set (4.01,7.01,10.01)	
9.	ANEMOMETER, 0.4/s to 20m/s air velocity range -10, 50° operating temp. 0% to 100%	
10.	APPARATUS, CASSAGRANDE CUP, Dimension: 240x230x150 mm, Weight (approx.) 2 kg with Grooving Tool	
11.	APPARATUS, DIGITAL CALIPER, made in stainless steel, reading 0.01 mm, accuracy +/- 0.02 mm, repeatability 0.01 mm, 3 buttons: on/off (manual), reset and conversion mm/in.	
12.	APPARATUS, Flow Channel (3.0m long) Apparatus with accessories Apillway, Sluice Gate and Set of Weirs with Hooke Gauge	
13.	APPARATUS, GRADUATED CYLINDER, 500 ml	
14.	APPARATUS, Liquid Limit (Atterberg Limit Test)	
15.	APPARATUS, Metacentric Height Apparatus with Transparent Basin	
16.	APPARATUS, MOISTURE CONTENT TINS AND CANS, 75 mm diameter, 30 mm height	
17.	APPARATUS, Plastic Limit	

18.	APPARATUS, PLASTIC LIMIT, supplied complete with: Glass plate 300x300x5 mm, Steel Reference Rod, Moisture Content Tins 75 mm diameter, Height 30 mm, 6 pcs., Porcelain Mixing Dish 120 mm diameter, Spatula 120 mm, Carrying Case Dimension 360x370x180 mm, Weight (approx.) 3 kg.	
19.	APPARATUS, Plastic Limit.	
20.	APPARATUS, Sand Cone	
21.	APPARATUS, SAND CONE 6.5", Dimensions: 300x300x550 mm, Weight (approx.) 4 kg.	
22.	APPARATUS, Set of Sieve Shaker	
23.	APPARATUS, SOIL CONE PENETROMETER, fitted with dial indicator for direct reading of penetration. Supplied complete with 30deg and 60 deg, 30mm long test cone. Manufactured from stainless steel and includes adjustable levelling feet.	
24.	APPARATUS, U-TUBE MANOMETERS, measuring range: 100-3000 mm, temperature in celsius: 150, glass tube: U shaped	
25.	AUREUS CHROMOSELECT AGAR BASE, 500 g per bottle; Provide SDS of the chemical and certificate of analysis. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.	
26.	AUTOMATIC SELF-ZEROING BURETTE is mounted on a glass bottle with 2L capacity. Includes a PTFE needle valve stopcock, intermediate stopcock and rubber bellows. Class A, ASTM E-284, meets USP standards, individually serialized and certified. Includes Schellbach backing for easy reading of liquid levels. With amber graduations. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Automatic Burette, Glass, Class A, Individually Certified, 10-25 mL at 0.05 mL graduation. For DO and BOD Analysis.	
27.	BALL AND RING APPARATUS, Length:23 cm Ball Diameter at Room Temperature: 2.36 cm Ring Inner Diameter at Room Temperature: 2.39 cm Material: brass	
28.	BAR, PTFE magnetic stir bar	
29.	BAROMETER, Material: Metal - Size: Length 132mm/5.20inch; width 132mm/5.20inch; height 30mm/1.18inch	
30.	BASIC CALORIMETRY SET, 1x Aluminum 1.25" d x 1.5" h 1x Brass 3/4" d x 1.5" h 1x Stainless Steel 3/4" d x 1.44" h 1x Zinc 3/4" d x 1.58" h 1x Copper 0.625" d x 1.8" h 1x Calorimeter cup with lid 1x Partial Immersion Thermometer (SE-9084B) 1x Water trap and plastic tubing 1x Instruction manual and experiment guide	
31.	BASIC ROCK AND MINERAL KIT, Expand your studies of Earth Science with this basic rock and mineral kit, which is actually two kits in one, The rock portion of the kit includes 15 classic examples of igneous, metamorphic, and sedimentary rocks, as well as an identification guide. The mineral part of the kit includes 15 different samples that can be identified by hardness, luster, streak, color, cleavage, and other characteristic properties. It also includes a streak plate, hand lens, and mineral identification guide	
32.	BASIN, stainless, 8-10L	
33.	BEAKER, 100 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock	

	resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	
34.	BEAKER, 1000 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	
35.	BEAKER, 250 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	
36.	BEAKER, 50ml	
37.	BEAKER, 600 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	
38.	<p>BI-METALLIC STRIP, demonstrate differential thermal expansion and how thermostats work with this fun demo.</p> <p>When heated in a Bunsen burner flame, this bi-metallic strip bends. The strip is steel on one side and brass on the other side. Since brass expands more than steel, the strip becomes longer on the brass side. As it cools, it becomes straight again.</p> <p>Blade Length 12.5 cm</p>	
39.	BOD BOTTLES, 6.9 cm diameter, height = 16.5 cm, capacity = 300 ml, Available with either glass robotic or pennyhead stoppers. 24 pcs. /case.	
40.	BOD CAPS, BOD Caps with foam insert for BOD Bottles, polyethylene cap complete with a closed cell foam insert snaps firmly over the flared mouth bottle preventing evaporation of water seal during 5-day incubation period. Will not absorb or leak water if bottle is filled. 50 pieces/case.	
41.	BOTTLE, Reagent Bottle, Brown, 100ml	
42.	BOTTLE, Reagent Bottle, Brown, 10ml	
43.	BOTTLE, Reagent Bottle, Brown, 20ml	
44.	BOTTLE, Reagent Bottle, Brown, 50ml	
45.	BRUSH, Buret, for 25-50 mL. Brush Diameter: 1.3 cm; Total Length: 76 cm; Unbleached white nylon bristles are supported by twisted galvanized steel wire.	
46.	BRUSH, for MICRO-TUBE, 0.25-0.5" diameter, 3" brush length, 7" overall length	
47.	BRUSH, for TEST TUBE, 0.5" diameter, 3" brush length, 8" overall length	
48.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 1000ML, 17" Length, 1-3/4" dia, 5" brush length	
49.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 250ML, 12" Length, 1-3/8" dia, 3-1/2" brush length	
50.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 500ML, 14" Length, 1-1/2" dia, 4" brush length	
51.	BRUSH, Kitchen Cleaning Brush; Long Handle Cleaing Brush with Removable Brush Sponge; With Built-in Dispenser of Dishwashing Liquid	
52.	<p>BUNSEN BURNER, • Designed with a flame stabilizer to provide a steady flame for general laboratory needs.</p> <ul style="list-style-type: none"> - Stable, heavy base - Steady flame • Stable, heavyweight die-cast base of nickel-plated zinc-alloy with aluminum mixing tube, 8mm (5/16") serrated gas inlet, and 	

	air regulator. The optional wing top produces a broad flat flame for working glass and general lab use. <ul style="list-style-type: none"> • Height - 15.6cm (61/8") • Natural Gas Burner with output 800–1200 BTU 	
53.	BUNSEN BURNER, Standard Burner, Natural Gas, 1/2" (13mm) Mixing Tube OD, 5.33 CFH, 5,465 BTU Output, 5-3/8" (137mm) Overall Height	
54.	BURETTE, 25ml, with plastic stopcock	
55.	CAPILLARY TUBE, cat no. 2501, 200 tubes/vial	
56.	CART, LABORATORY WIRE BASKET GLASSWARE CARTS - Fully assembled from 18-gauge, 1 inch square steel tubing; 4 inch diameter casters which absorb vibration over rough, uneven floors. Two have toe-locks.; four wire basket racks; Includes removable drip pan; Ergonomic, extruded rubber handle grips; Lightweight, vinyl-coated portable wire baskets are corrosion resistant, easy to clean and safe for transporting glassware. Overall, 34 7/8" x 19" x 36 3/8" high	
57.	CLAMP, for laboratory use, iron, 3-prong	
58.	CONTAINER, Plastic Carboy, chemical resistant for Laboratory Wastes like Acids and Organic Solvents, 20-25 L capacity.	
59.	CORK BORER SET, Plated Brass, Set of 15, 3/16" to 15/16" OD Size	
60.	CORK STOPPER, 16, 25, and 50mm diameter (pack of 500)	
61.	COTTON SWAB, Cotton tipped applicator with 6" wood shaft, single-tip, sterile, 1000/box	
62.	COVER GLASS RECTANGLES, 11 x 22, 1 oz. Box	
63.	CULTURE TUBE CAP, FOR 13MM GLASS CULTURE TUBES, Blue, 100/bag	
64.	CULTURE TUBE CAP, FOR 16MM GLASS CULTURE TUBES, Blue, 100/bag	
65.	CULTURE TUBE CAP, FOR 25MM GLASS CULTURE TUBES, Blue, 100/bag	
66.	CULTURE TUBES, with screw caps. Borosilicate type. OD x L = 25 x 150 mm or 22 x 175 mm or 25 x 200 mm. Capacity to Neck: 50 mL. 10 pieces/pack. Total of 20 pieces. For TSU-ATL use.	
67.	DE-OILING MACHINE, (Fried Deoiler Machine) This deoiling machine is used to deoil (remove the extra oil) from the vegetables. It adopts centrifugal principle; it has excellent performance and won't damage to vegetables. This potato chips deoiling machine was made of full stainless steel, full closed and digital control, on the other hand, it also install the system of shake proof, adopt the principle of centrifuge, equipped with electric brake, automatic digital controlling, was made of stainless steel, was the most advanced dewatering device of vegetable and food, suitable for food and vegetable dewatering operation of behind of washing; Voltage:220V/380V/Customization; Power:2.2kw; Weight:420kg; Dimension(L*W*H):1200*700*750mm; Name: Deoil Machine; Application: Remove oil from snack; Capacity:500kg/h; Function: Multifunction; Advantage: Simple Operation; Material:304 Stainless Steel; Feature: High Efficiency; Type: Batch	
68.	DIAL THERMOMETER, with Calibration Certificate Using stainless steel probe, anti-rust, anti-corrosion, high temperature resistance. Using silk screen technology, the scale is clear, and the measurement reading is more accurate. Bimetal thermometer, durable and stable performance. Widely used in residential equipment such as ovens and grills and industrial equipment such as heaters and oil refineries. Specifications:	

	Material: Stainless steel; Temperature range: 100~550°F; Installation method: Shaft; Accuracy class: 2.0; response time: ≤40s; IP rating: IP55; Angle error: below 1% of scale; Dial diameter: 80mm; Nut diameter: 14*10mm; Stem diameter: 6mm; Stem length: 75mm; Screw thread: M8*1; Item Size: 8*8*8.9cm / 3.14 * 3.14 * 3.5in; Item Weight: 96g / 3.38oz; Package Weight: 123g / 4.33oz; Package Size	
69.	DIGITAL ANALOG SCALE, Capacity : 200g 600g 1000g 1500g 2000g 3000g 5000 High precision load cell Rugged plastic housin Big size stainless steel pan High contrast easy to read LCD display Height adjustable feet Full capacity subtraction Stabilization time 1.5 seconds Overload protection Below balance weighing facility Checking weighing, piece counting function Bubble level for choice RS232 Interface	
70.	DIGITAL CALIPER, • Calipers measure outside diameter, inside diameter, and depth. - Ergonomic Design - Traceable® • Ideal for measuring outside diameter of stoppers, inside diameter of tubing, and depth of vials. • Zero button instantly sets closed jaws or any reference point to zero. • Floating Zero™ may also be set in mid-measurement to read “difference results” without calculations. • Calipers feature ergonomic design and durable hardened stainless steel or composite carbon fiber construction. • Easy-to-read, 0.6 cm (1/4") high, digital readout switches from millimeters to inches at the touch of a button. • Friction thumb roller allows for fast readings. • Depth bar extends from end of instrument and no lubrication is ever required on the slide bar. • Material : Stainless Steel • Dimensions : 27.9 x 7.6 cm (11 x 3") • Accuracy: ±0.03 mm (±0.001") • Measurement Range : 0–20.3 cm (0–8") • Resolution: 0.01 mm (0.0005") • Supplied with battery (runs for 10,000 hours).	
71.	DIGITAL CALIPER, with Calibration Certificate; Designed with a slim, streamlined profile that is comfortable and easy-to-use. Features a large, clear LCD display with a long battery life and function buttons for zero and inch/mm. With a resolution of 0.01mm; Lightweight, ergonomic design; Integrated depth rod; Last measuring position retained when shut off; Large, easy-to-read, high-contrast LCD digital readout; Inch/millimeter conversion reads 0.0005" or 0.01 mm; Zero at any position; Fine adjustment thumb wheel; Hardened stainless steel body; Auto-Off after 30 minutes; RS232 output; Output jack; Works well with DataSure; Wireless Data Collection systems	
72.	DIGITAL THICKNESS GAUGE, Resolution: 0.0005 in, 0.01 mm; Accuracy: +/-0.001 in; Data Output Type: Cable; Actuation Type: Trigger; Actuation Type: Trigger; Contact Material: Ceramic; Dimension Type: Inch/Metric; Range: 0 in to 1/2 in, 0 mm to 12 mm; Throat Depth: 4.7"; Anvil Diameter: 0.394"; Battery Size: Silver Oxide Cell SR44; Display Type: LCD; Grip Style: Convenient Grip; Maximum Measuring Force: 1.5 N; With Calibration Certificate	

73.	DISPENSING BINS, Acrylic, large, (7W X 12D X 10.5H) - Flip top lids on the top and on the front; Made from premium acrylic; Holds tube caps, cotton balls, pipette tips, analyzer cups, etc.	
74.	DISTILLING KIT, made from heat-resistant borosilicate glass; 1 Erlenmeyer Flask, 500ml; 1 Distillation Flask with Thermometer Holder, 1L with a 24/40 ground glass joint; 1 Biomass Flask; 1 Distilling Arm with a 45/50 ground glass joint; 1 Distillation Separation Tube; 1 Liebig Condenser, 300mm long with 24/40 ground glass joints; 1 Support Stand; 1 Extension Clamp; 1 Clamp Holder; 1 BURETTEe Clamp; 5 Feet of Latex Tubing; 1 Glass Stopper; 2 Head Clips	
75.	DROPPER, for medicine, Glass, (36/pack)	
76.	DROPPING BOTTLE, with dropping bulb and pipet, Standard Taperground-glass stopper 125 ml	
77.	DURHAM TUBES, 6 x 50 mm, borosilicate glass tube	
78.	DURHAM TUBES, 8 x 45 mm	
79.	ELECTRODE TIP GUARD, compatible with ADWA pH meter electrode. 2 pcs/pack	
80.	ELECTRONIC HOTPLATE, with magnetic stirrer, glass ceramic top which has excellent chemical resistance The surface is easy to clean Robust coated aluminium Flashing "Hot" warning light, mains independent Accurate temperature control with LED indicator scale Powerful magnets and motor give stirring speeds up to 2000rpm Supplied with 2 x 25mm PTFE coated stir bars Hotplate Material Ceramic Plate Size 150 x 150mm Maximum Hotplate Temperature +450°C Magnetic Stirrer Yes Maximum Stirring Capacity 15L Maximum Stirrer Speed 2000rpm Power Rating 550W Power Source Mains Dimensions 172 x 248 x 122mm Weight 2.9kg Height 122mm Length 172mm Plate Length 150mm Model Number pUC152 Plate Width 150mm Width 248mm	
81.	ENERGY TRANSFER CALORIMETER, 1x Outer Aluminum Cup (8.9 cm tall, 4.7 cm dia) 1x Inner Aluminum Cup (7.5 cm tall, 3.8 cm dia) 1x Plastic Lid 1x Two-Hole Rubber Stopper 1x Heating Resistor with Input Cables	
82.	ERLENMEYER FLASK, 1L, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume	
83.	ERLENMEYER FLASK, 250ml, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume	
84.	ERLENMEYER FLASK, 500ml, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume	
85.	EVAPORATING DISH, Porcelain, 100mL capacity	
86.	FILTER ADAPTER, Filter Adapter, Plus Stopper Thermometer Adapter Centrifuge Tube with Snap Cap, 15 mL Chromatography Column, Glass 150 mm w/ Disc One Way Stopcock, PE/Nylon Connector w/ Support Rod Connector Only Distillation Column Distillation Head, 60 mm Short Neck Flask, 5 mL Long Neck Flask, 5 mL Erlenmeyer Flask, 10 mL Filter Flask, 25 mL Hirsch Funnel, with Disc Reaction Tube, 10 x 100 mm	

	Spatula, S.S. Sleeve Stoppers	
87.	FILTER FORCEPS, BLUNT END, AND STAINLESS STEEL, FILTER FORCEPS, BLUNT END, and STAINLESS STEEL - Stainless steel, self-closing; Flat, smooth tips are bent at a slight angle to minimize damage to filter; Serrated gripping area; Durable construction; Autoclavable; Unique cross-action design lets you hold membrane without applying constant pressure	
88.	FILTER PAPER, Ordinary, 100 circles/box, 12.5 cm.	
89.	FILTER PAPER, Qualitative, #1, with diameter of 150 mm. 100 pieces per box.	
90.	FILTER PAPER, Qualitative, #2, with diameter of 150 mm. 100 pieces per box.	
91.	FILTER PAPER, Whatmann, Number 1, Pack of 100	
92.	FILTER PAPER, Whatmann, Number 40, pack of 100	
93.	FILTER PAPER, Whatmann, Number 42, pack of 100	
94.	FILTRATION SET-UP AND ASSEMBLIES, Including Glass Frit; SS Screen and SS Holder with Clamp; Fritted Glass Support; 47 mm; Used for General Filtration; Supplied with a coarse fritted glass support base; 300ml Graduated Funnel; Anodized Aluminum Clamp and a #8 Stopper; 2 years warranty on parts and services with training or demonstration	
95.	FLASK, Rotary Evaporator Accessories. Should be compatible with existing DLAB Pro-100 brand. Including spare round bottom flasks of different capacities with neck size 29/32	
96.	FLASK, VOLUMETRIC FLASK, 25ml, Borosilicate glass. Clear. with plastic/glass cap	
97.	FLASK, VOLUMETRIC FLASK, 50ml, Borosilicate glass. Clear. with plastic/glass cap	
98.	FORCEPS, FILTER, BLUNT END, and STAINLESS STEEL - Stainless steel, self-closing; Flat, smooth tips are bent at a slight angle to minimize damage to filter; Serrated gripping area; Durable construction; Autoclavable; Unique cross-action design lets you hold membrane without applying constant pressure	
99.	GLASS BEADS, 5mm laboratory, pack of 500	
100.	GLASS BEADS, made of solid borosilicate or soda-lime glass, chemical resistant with approximate diameter of 5 mm, 1 lb per case.	
101.	GLASS FUNNELS, short stem 60 and 100mm diameter	
102.	GLASS WEIGHING BOTTLES, low-form, capacity: 1.18 oz., 35 mL; capacity (metric): 35 mL Capacity (english): 1.18 Oz. form: low form; material: borosilicate glass; no per case: 6/Cs. sterility: non-sterile; standard taper joint: 50/12 weight (metric) 53g	
103.	GLASS WOOL, analytical grade. Comes in sheets 3mm thick x 250 mm wide x 1,300 mm long. Provide SDS of the chemical and certificate of analysis upon delivery. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.	
104.	GPS DEVICE, HANDHELD, 4-in screen, 480x272-pixel resolution, 3-axis compass with barometric altimeter, GPS and GLONASS satellites	
105.	GRADUATED CYLINDER, WITH SPOUT, 100 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	
106.	GRADUATED CYLINDER, WITH SPOUT, 1000 ML - With spout and hexagonal base; Supplied with shock absorbing bumper	

	guards; The double scale, numbered up and down, is in durable white enamel.	
107.	GRADUATED CYLINDER, WITH SPOUT, 25 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	
108.	GRADUATED CYLINDER, WITH SPOUT, 50 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	
109.	GRADUATED CYLINDER, WITH SPOUT, 500 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	
110.	HEAT CONDUCTION APPARATUS, The Heat Conduction Apparatus has four metal bars (1 aluminum, 1 stainless steel, 2 brass having different cross-sections). One end of each bar is heated or cooled by applying power to the Peltier device which is attached to one end. Each bar has two 10 k Ω thermistors embedded in it about 3 cm apart from each other. A cable (male 8-pin mini-DIN to male 8-pin mini-DIN) is supplied to connect the thermistors in this apparatus to the PASPORT Temperature Array so data can be recorded from all eight sensors simultaneously. Foam insulators are supplied to cover the bars during the experiment. The apparatus now has a thermoelectric module with a switch to change the DCV being applied to it for a "Heat" or "Cool" option	
111.	HEMACYTOMETER, cover slips, Glass, 20x26mm, 0.35mm thickness, 10s/box	
112.	HEMACYTOMETER, High light transmission; Brightly illuminated line; Two special counting chamber cover glasses; Light transmission between 29% and 32%	
113.	HOTPLATE, with magnetic stirrer - Stirring Quantity Max per stirring position (H2O) [l]: 10; Motor Rating Output [W]: 1.5; Direction of Rotation: Left; Speed Control: Scale 0-6; Speed Range [rpm]: 0-1500; Stirring Bar length max [mm]: 80; Heat Output [W]: 1000; Heating Temperature Range [C]: 50-550; Heat Control: LED; Heating Rate Heating Plate [K/min]: 5-7; Control Accuracy with Sensor [+/-K]: 3 setup; Plate Material: Ceramic; Permissible Ambient Temperature [C]: 5-40; Permissible Relative Humidity [%]: 80; 110/220V + 10%; 50/60Hz; 2 years warranty on parts and services with training or demonstration;	
114.	HYDROMETER, 1.500/2.000 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.400/1.650 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.800/2.000 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.000/1.250 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.200/1.450 Specific Gravity Hydrometer for Liquids Heavier Than Water; 0.800/0.910 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.900/1.000 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.690/0.800 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.790/0.900 Specific Gravity Hydrometer for Liquids Lighter Than Water	
115.	HYGROMETER, Relative humidity range is 25 to 95%; Resolution is 1% RH; Accuracy is $\pm 3\%$ RH mid-range to $\pm 5\%$ elsewhere; Temperature range is 0-50°C / 32-122°F; Resolution is 1°; Accuracy is $\pm 1^\circ\text{C}$; Meter may be used with bench stand and can also be wall mounted. Unit measures 3 1/2" x 5" x 7/8" and weighs	

	six ounces. Devices are provided with an individually serial numbered certificate from an ISO 17025 calibration laboratory accredited by A2LA. Certificate indicates traceability to standards provided by NIST.	
116.	IDEAL GAS LAW APPARATUS, 1x Ideal Gas Law Syringe 1x Built-in Fast Response Thermistor 1x Quick-Connect Pressure Port 1x Male Luer connectors to attach wireless pressure sensor	
117.	INOCULATING NEEDLE, Length: 45mm	
118.	INOCULATION LOOP, Rigid, 10uL with Needle, with Calibration Certificate, STERILE, Yellow, Individually Wrapped, 500/pack	
119.	INSECT LIGHT TRAP, 10 watts, 16 x UV-A LED insect light with spectrum at 365nm for best attraction • Long lamp working hours • Allows 360 degrees insect attraction • With Electric Grid • With on / off switch • ABS Fireproof plastic material • With collection tray for easy cleaning • With chain for wall hanging • Desktop or floor stand use Color: Dark gray DIMENSION: (L)33cm x (W)10cm x (H)26cm	
120.	IRON CLAMP, 3-prong Iron Clamp, laboratory clamp material: zinc alloy color: silver four prong extension flask clamp size: full length: approx. 26.5cm rod diameter: approx. 7mm rod length: approx 19.5cm securing clip size: full length: approx. 18.5cm rod diameter: approx. 7mm width: approx. 2.2cm	
121.	KOVACS INDOLE REAGENT, 100ml	
122.	LABORATORY BLENDER, homogenizer, pulverizer, mixer-1 liter capacity, different speed	
123.	LABORATORY THERMOMETER, Divisions: 2°F; accuracy: ±4°F; length: 300mm (12in); immersion: total Features red organic liquid against white back glass	
124.	LAZY-L-SPREADERS, individually wrapped, sterile, pack of 500	
125.	LENS PAPER, BX. 2,000 - Soft, lintless paper, free from impurities; Non-abrasive; safe for coated lenses; Suitable for cleaning optical instruments; Size: 5" x 7"; box contains 2,000 papers	
126.	LIGHT INTENSITY METER, Lux/Fc reading, digital LCD display, portable, auto ranging	
127.	LPG, Acetylene Gas, high purity for AAS. 250 psi, min. 99% purity, SP gases including the gas cylinder.	
128.	LUX METER, Illuminator; with Calibration Certificate; Light meters measure light levels or light pollution within the environment. It's a key piece of equipment to ensure that there is the right amount of ambient light within the workplace, at school or even at home, and are often used by photographers in studios and natural environments to calibrate film equipment. They most often measure light sources like white LED light, fluorescent lighting, metal halide, high-pressure sodium and incandescent lighting; Spectral response close to CIE luminous spectral efficiency; Measures intensities of illumination displays in lux or foot-candles; Silicon photo diode and filter; Light sources measured include all visible light sources; Cosine angular corrected; Auto power off and disable function; Data hold,	

	Max/Min/AVG hold; Real Zero function; Auto-ranging; Light source selecting Tungsten/Daylight, Fluorescent, 0 ~ 9 select rating; Measuring range 400,4000,40 000,400 000 lux, 40,400,4000,40 000 foot-candles; Accuracy $\pm 3\%$ ± 3 lux, 0 ~ 500 lux, $\pm 3\%$ up 501 lux (calibrated to standard incandescent lamp 2856°K), $\pm 8\%$ other visible light source; Powered by 1.5 V AAA batteries (x2; Dimensions 133 x 48 x 23 mm; Weight (including battery) 80 g	
129.	MASK, Surgical Face Mask, 3ply, with earloop, disposable, 50pcs/box, FDA Registered	
130.	MEASURING PIPETTE, (BOROSILICATE, 10ML CAPACITY)	
131.	MEASURING PIPETTE, (BOROSILICATE, 20ML CAPACITY)	
132.	MEASURING PIPETTE, BOROSILICATE, 1ML CAPACITY	
133.	MECHANICAL EQUIVALENT OF HEAT APPARATUS, Crank Counter: Counts the number of turns on the handle. Thermistor: Embedded in the cylinder, it has lower thermal mass Durable Construction: Constructed primarily of steel and aluminum, there's virtually nothing to break. The thermistor is protected in the cylinder. 1x Base, cylinder, crank, and counter with a built-in table clamp 1x 1-gallon can that can be filled with a measured mass of sand or water (if 10 kg of laboratory masses are not available) 1x 3.7 m of flat nylon rope 1x Laboratory manual including theory, step-by-step instructions, and data tables	
134.	MEDIA STORAGE BOTTLES, 1000 ML - Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.	
135.	MEDIA STORAGE BOTTLES, 250 ML, Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.	
136.	MEDIA STORAGE BOTTLES, 500 ML - Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.	
137.	MEDICINE DROPPER, Glass, 36/pack	
138.	MEMBRANE FILTERS, Sterile Cellulose Microplus Membrane Filters - white with 3.1 mm black grid for Membrane-Butler, 0.45 μm , 47 mm circle (100 pcs)	
139.	MICROMETER SET, set of 6 micrometers; External metric micrometer set; Minimum measurement of 0 mm; Maximum measurement of 150 mm; Resolution of 0.01 mm; Accuracy of ± 0.004 mm; Set contains six micrometers, setting rods and adjustment tools	
140.	MICROSCALE KIT, Williamson Improved Standard Microscale Kit 26 - Connecting adapter, filter adapter, pluro stopper, thermometer adapter, centrifuge tube, chromatography column with disc, one-way stopcock, PE/Nylon, connector with support rod, connector only, distillation column	
141.	MICROSCOPE SLIDES, WHITE GLASS FROSTED, 25 x 75mm	
142.	MOLECULAR MOTION MODEL, fifty-one chromed steel balls represent the molecules of a gas in a closed vessel. Heat is simulated by supplying vibrations from a wave driver. When this external energy is applied, the steel balls exert a pressure on the	

	container, forcing the top of the container upward. The relationship between temperature, pressure and volume is clearly demonstrated. Students also gain insight into the effects of temperature and height on the density of an ideal gas in a gravitational field. It can be used on an overhead projector	
143.	NARROW MOUTH WASH BOTTLE ASSORTMENT, 250 ML, pack of 5	
144.	NICHROME INOCULATING LOOPS, 8" H	
145.	NOISE METER, digital LCD display, 30-130 dB range, ± 1.5 dB precision, 0.01 dB resolution	
146.	OIL EXTRACTOR MACHINE, Home use oil press machine is a screw-driven oil making machine that used to extract oil from seeds and kernels for edible oil; Size: 650*505*980mm; Voltage: 220V; Rated power: 1600W; Moto power: 1070W; Hopper capacity: 5L; Frequency: 50-60Hz; Packing weight: 60KG; Press Efficiency: up to 13kg; Material: Stainless Steel	
147.	OVEN MITTEN, 13" Long Thick Silicone Oven Mitts / Heat-Resistant Oven Mittens / Anti-scalding Kitchen Gloves / Potholder for Cooking & Baking	
148.	OVEN THERMOMETER, Measurement Range:50 to 300°C(100 to 600°F); Accuracy: $\pm 10^\circ\text{C}$; Certification: RoHS, Reach, etc.; Dimensions: 60*70cm; Weight: 60g Materials: SUS430, Glass, Silicone	
149.	OVEN, Manual Set-up Smoke House Oven (3 IN 1 MULTI FUNCTION BARBECUE GRILL AND SMOKER); Built in thermometer; Easy to assemble, easy to clean; First layer can be used for grilling; Second layer can be used for roasting; Third layer for smoking; With free stainless chicken holder; Height: 84cm (including the cover and handle); Cooking diameter : 40cm; Material steel rolled iron	
150.	PAPER, Litmus Paper (Blue) - Ajax 2401 100/box	
151.	PAPER, red and blue precision litmus paper, pack of 100 strips	
152.	PARAFILM, 4 in x 125ft (100mm x 38mm)	
153.	PETRI DISH, with cover, 100 X 15 - Flat, clear dishes will withstand repeated sterilization (wet or dry). The edges are beaded to provide greater mechanical strength. The bead also provides a means to equally space the sidewalls of the bottom and cover, thereby reducing the capillary action of the condensed moisture on the sides. They are not affected chemically or thermally by any of the methods commonly employed in laboratories where sterilization is routinely used. The covered dish is not airtight. Bottoms also have a triangular enamel reference point for serial dilutions.	
154.	PH METER, Handheld Ph Meter/ Thermometer Robust, waterproof and dishwasher-safe protective case (protection class IP68) Temperature specification; Measuring range;0 to +60 °C (Short-term to +80 °C max. 5 min), Accuracy; ± 0.4 °C, ;Resolution 0.1 °C pH - Electrode Measuring range;0 to 14 pH Accuracy; ± 0.02 pH Resolution;0.01 pH General Specification, Weight;69 g,Dimensions;197 x 33 x 20 mm ((LxWxH)),Operating temperature;0 to +60 °C, Product-/housing material; ABS, Protection class;IP68,Product colour; white, Length probe shaft;3.5 mm,35 mm, Diameter probe shaft;15 mm,	

	Display type; LCD (Liquid Crystal Display), Display size; 2 lines, Measuring rate; 2 measurements per second, Temperature compensation; automatic, Storage temperature; -20 to +70 °C.	
155.	PH METER, Handheld; with Calibration Certificate; Stable measurements are automatically recognized, allowing for easy readings. Built-in temperature probe ensures efficient temperature compensation. Includes essential accessories to get started right away; Measuring range: 32 to 140 °F (0 to 60 °C); Accuracy: ±0.7 °F (±0.4 °C); Resolution: 0.1 °F / 0.1 °C; pH - Electrode Measuring range: 0 to 14 pH; Accuracy: ±0.02 pH; Resolution: 0.01 pH; Protection Class: IP68; Display size: 2 lines; Storage temperature: -4° to 158°F (-20 to +70°C); Operating temperature: 32° to 140°F (0 to +60°C)	
156.	PH PAPER, 0 to 14 range at 100 strips/pack. For immediate and on-site pH checking.	
157.	PHENOL, 100g - with MSDS and 3-5 years expiry	
158.	PIPETTE SUPPORT RACK, can hold up to 16mm, 50 places pipettes, made of sturdy polypropylene Dimensions: (8 3/8 x 4 1/2 x 8 3/4 in.)	
159.	PIPETTE TIPS, 0.1-10UL, Universal, Natural, 31mm, Racked, 96/Rack, 10 Racks/Box (autoclavable tips and tip box)	
160.	PIPETTE TIPS, 1 - 200UL, Graduated, Yellow, 54mm, 96/Rack, 10 Racks/Unit (autoclavable tips and tip box)	
161.	PIPETTE TIPS, 10 ML, Racked, Box of 28 Tips (autoclavable tips and tip box)	
162.	PIPETTE TIPS, 100-1250UL, Universal, Blue, 84mm, Racked, 96/Rack, 6 Racks/Box (autoclavable tips and tip box)	
163.	PIPETTE TIPS, 10mL - Bag Of 1000; Fully autoclavable	
164.	PIPETTOR, PIPETTOR, SINGLE-CHANNEL, (SET) 0.5 - 10UL, 5-1000UL, WITH 10 UL TIPS, 200UL AND 350UL TIPS IN RACKS @ 1 PACK EACH WITH LINEAR STAND	
165.	PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (100-1000ul) - increment 1.0 ul;- Systematic Error for test volumes 100ul needs 12.0ul, 500 ul needs 4.0ul and 1000ul needs 7.0ul; Descriptions: - Easy volume adjustment with click stop system;- Large display for easy reading of volume-For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly; - Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;- Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer	
166.	PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(1000-10,000 ul)- increment 20.0 ul;- Systematic Error	

	<p>for test volumes 1000ul needs 30.0ul,5,000 ul needs 60.0ul and 10,000ul needs 60.0ul; Descriptions:-Easy volume adjustment with elick stop system; - Large display for easy reading of volume-For both right-and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette;- Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, - Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;- Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; -Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>	
167.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(20-200 ul) - increment 0.20 ul; -Systematic Error for test volumes 20ul needs 0.46ul,100 ul needs 0.80ul and 200ul needs 1.20ul; Descriptions-Easy volume adjustment with click stop system; -Large display for easy reading of volume -For both right-and left-handed users; -Color coded for easy matching of fitting tips; -Materials have high chemical and UV- resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, -Superior Ergonomics- designed handle and finger hook;-Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>	
168.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(500-5000 ul) -increment 10.0 ul; Systematic Error for test volumes 500ul needs 0.46ul,2,5000 ul needs 17.50ul and 5000ul needs 30.0ul;Descriptions: - Easy volume adjustment with click stop system;-Large display for easy reading of volume -For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; -With light tip ejector;- Fully autoclavable without the need for disassembly, - Superior Ergonomics-designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year</p>	

	monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer	
169.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (0.5 to 10ul) - increment 0.01 ul; - Systematic Error for test volumes 1ul needs 0.030ul .5 ul needs 0.075ul and 10ul needs 0.10ul;</p> <p>Descriptions:- Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette;-Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, - Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil; -Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>	
170.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (10 to 100ul) - increment 0.10 ul;- Systematic Error for test volumes 10ul needs 0.30ul, 50 ul needs 0.50ul and 100ul needs 0.80ul;</p> <p>Descriptions:-Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette;- Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector, - Fully autoclavable without the need for disassembly, -Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI);- With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>	

171.	PIPETTOR, Single-Channel High Precision Pipettor, 1,000-10,000 μ L - Adjustable-Volume Pipettor, 1,000 to 10,000 μ L; 20 μ L increment; Slim ergonomic design and light weight; Ultra-soft plunger activation; adjustable tip ejection system; User calibration with integrated key; Accuracy: 5%; 50 μ L; 1 %; 50 μ L; 0.6%; 60 μ L	
172.	PIPETTOR, Single-Channel High Precision Pipettor, 100-1,000 μ L - Adjustable-Volume Pipettor, 100 to 1000 μ L; 2.0 μ L increment; Slim ergonomic design and light weight; Ultra-soft plunger activation; adjustable tip ejection system; User calibration with integrated key; Accuracy: \pm 0.70%	
173.	PLASTIC WASH BOTTLE, HDPE, 500 ml capacity	
174.	POWER SPRAYER PRESSURE WASHER, Portable; Voltage: 220-240 V; Frequency: 50/60 Hz; Rated Power: 1,200 W; Rated Pressure: 70 bar; Maximum Pressure: 100 bar; Rated Flow: 5.5 L/min; Maximum Pressure Water Supply: 1.2 MPa; Maximum Water Temperature: 50 C; Sound Pressure Level: 81 dB; Sound Power Level: 92 dB	
175.	PREPARED SLIDE, Botany slides: Allium tuberosum (Chives) root, c.s, Arachis hypogaea (Peanut) old stem, c.s, Arachis hypogaea (Peanut) young stem, c.s, Fern prothallium young sporophyte, w.m, Ficus (Fig) leaf with foveolate stomas, c.s., Glycine max (Soybean) root nodule c.s, Lilium (Lily) anther meiosis, c.s, Monocot & dicot leaves, c.s, Monocot & dicot roots, c.s, Monocot & dicot stems, c.s, Moss leaf, w.m., Moss protonemata, w.m, Moss, w.m, Narcissus tazetta (Narcissus) root tip mitosis, c.s., Pine female globose fruit, l.s, Pine male globose fruit, l.s, Pollen germination, w.m, Ranunculus japonicus (Mao gen) root, c.s, Raphanus sativus (Radish) fleshy root, c.s, Solanum tuberosum (Potato) tuber, sec., Three types of plant leaves, section, Tilia (Basswood), one, two & three year stems, c.s, Triticum aestivum (Wheat) seed, l.s, Vicia faba (Bean) leaf stoma, w.m, Zea mays (Corn) seed, l.s	
176.	PREPARED SLIDE, Chicken embryology set	
177.	PREPARED SLIDE, Frog Ovary; Section H&E Stain	
178.	PREPARED SLIDE, Frog's embryonic development, sectioned until 9mm	
179.	PREPARED SLIDE, frogs late embryonic development	
180.	PREPARED SLIDE, Human Ovary	
181.	PREPARED SLIDE, Non-Animal microscope slide set contains 50 professionally prepared and stained tissue specimen slides (Plant, Fungi, Protist (single celled organisms) and Monera (bacteria) Kingdoms. Corn root, l.s., Young root of broad bean, c.s., Teung root of Hydrilla verticillata, l.s., Pumpkin stem, c.s., Pumpkin stem, l.s., Monocot stem, corn, c.s., Dicot stem, sunflower, c.s., Woody dicot stem, linden, c.s., Dicot leaf, c.s., Lower epidermis of broadbean, w.m., showing stoma, Penicillium, w.m., Actinomyces, w.m., Chlamydomonas, w.m., Three types of bacteria, smear, Yeast, w.m., Paramecium, w.m., Hydra, l.s., Mitosis of plant cell, onion root tip, l.s., Pine leaf, c.s., Endosperm of Diospyros, sec. showing plasmodesma, Spirogyra conjugation, w.m., Lichen, sec., Moss antheridia, sec., Moss archegonia, sec., Moss protonema, w.m., Fern leaf, sec., Fern prothallium, s.m., Fern prothallium with young sporophyte, w.m., Germinating pollen of Amaryllis, Lily ovary, sec., Lily anther, sec., Young embryo of shepherd's purse, sec., Old embryo of shepherd's purse, sec., Leaf of winter jasmine, c.s., Volvox, w.m., Aspergillus, w.m., Mushroom, coprinus, sec., Wheat grain embryo, l.s., Paramecia in conjugation, w.Paramecia	

	in fission, w.m., Hydra, c.s. through ovary, Hydra, c.s. through spermary, Hydra with bud, w.m., Leaf of water lily c.s., Sunflower stem l.s., Leaf of celery c.s., Ginko stem c.s., Cotton leaf c.s., Water lily stem cs. (pictured at top), Corn leaf c.s.	
182.	PREPARED SLIDE, Pig embryology set	
183.	PREPARED SLIDE, Rat (<i>Rattus norvegicus</i>): Testis for Spermatogenesis T.S.	
184.	PREPARED SLIDE, Testis, frog, spermatogenesis, TS	
185.	PREPARED SLIDE, The Biology Set includes 19 slides: Blood Smear Reptile, Simple Cuboidal Epithelium Tissue, Smooth Muscle C.S & L.S., Spongy Bone Section, Lymph Node Section, Lung Section, Frog Skin Section, Stomach Fundic Region C.S., Red Bone Marrow Section, Frog Testis Section, Integumentary Tissues, Salivary Glands Composite Section, Brain Composite Section, Escherichia Coli Smear Gram Negative, Cardiac Muscle Striated C.S. & L.S., Compact Bone, Liver Section Hepatic Cells, Digestive System Jejunum Section, Kidney Section	
186.	PROBE THERMOMETER, For Food Industry, Multipurpose Use, Absolute Maximum Temperature Measurement: +275°C, Best Accuracy: ±0.5 °C, Resolution: 0.1 °C, Length: 215mm, Width: 34mm, Height: 19mm, Temperature Scale: Centigrade, Fahrenheit, Battery Type: AAA, Weight: 80g -with Calibration Certificate	
187.	PROFESSIONAL ASTRONOMICAL MONOCULAR TELESCOPE, Objective lens Objective lens focal length Eyepiece 1Aspherical eyepiece 23mm Eyepiece 2Aspherical eyepiece 10mm Mirror90° mirror Tube material Aluminum alloy Optical structure Refractive Finder Red dot finder Bracket AZ theodolite Coating FMC antireflection film Tripod Stainless steel tripod Color White Features: High strength aluminum alloy material. HD clear and bright imaging. Easy to shoot. Quick installation. Portable and easy to carry. Package included: 1 x Astronomical telescope 1 x Portable storage bag	
188.	RADIATION CANS, These three aluminum cans have different surface finishes: silver (unpainted), white, and flat black. They are 15 cm high and hold about 350 ml of water. Their large thermal mass ensures good results with both temperature probes and standard glass thermometers. Fill them with cool water and place them outside in the sunlight to investigate the effect of the surface finish on solar heating. Or place them inside filled with hot water to discover Newton's Law of Cooling	
189.	RAIN GAUGE, Measures up to 5 inches(120 millimetre)of rainfall.It is a must-have rain water measuring device for your garden lawn. The rain measuring device is marked with two scales (120 millimetre and 5 inches) of rainfall and easy to read. A simple rain gauge that has no complicated calibration or electronic set up. It is great for people who likes gardening. Small size, lightweight, easy to carry and storage. Material: Plastic Size:25x4.5x2.7cm	
190.	REFRACTOMETER, 0%-32% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample	

	Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual	
191.	REFRACTOMETER, 28%-62% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual	
192.	REFRACTOMETER, 58%-90% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual	
193.	REFRACTOMETER, Salinity; Scale Range: Sodium chloride 0.0 to 28.0%; Minimum Scale: Sodium chloride 0.2%; Size & Weight: 3.2x3.4x20.3cm, 105g	
194.	REFRIGERATOR, Type: Top Mount; Smart Function: Smart Diagnosis; Capacity, Total Shelf Area: 445/478 (Liters Net/Gross); Defrost System: No Frost; Temperature Control: Electronic; No. of Fresh Food Shelves: 8; Adjustable Door Shelves: 3; Adjustable Fresh Food Shelves: 2; Crisper Shelf: 1; No. of Freezer Shelves: 2; No. of Door Shelves – Fresh Food: 3; No. of Door Shelves – Freezer: 2; Refrigerator Light: Yes; Insulation: Cyclopentane; Power Requirements: 220 V (60Hz); Color: Platinum Silver ; Net Weight (kg): 77; Gross Weight (kg): 87; Net Dimensions (WxHxD): 700mm x 1780mm x 730m; Gross Dimensions (WxHxD): 740mm x 1860mm x 770mm; Inclusion: Ground Wire, Egg Tray, Ice Tray Twist / Ice Box, Handle	
195.	REPLACEMENT GLASSTUBES, The Replacement Glass Tubes kit includes two packs of silicone compound lubricant, two glass tubes, and twelve O-rings: two large, two medium, and eight small. The large O-rings are replacements for the ring at the top of the inner glass tube. The medium O-rings are replacements for the ring at the top of the piston rod where it joins the handle. The small O-rings are replacements for the rings on the end of the Compression Igniter piston rod and for the rings on the post that is part of the removable base. The lubricant is for the small O-rings on the piston rod. 2x Inner Glass Tube 8x Small O-ring (3/16") 2x Medium O-ring (1/4") 2x Large O-ring (7/16") 2x Lubricant (Silicone Compound), Packet	
196.	RESEALABLE PLASTIC BAG, size: 6.5 x 9.5 in, 100 pcs per pack	
197.	RIMLESS CULTURE TUBES, 20 ML, 16x150mm - reusable rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.	
198.	RIMLESS CULTURE TUBES, 55ML, 25x150mm – reusable e rimless culture tubes offer greater convenience in plugging and	

	rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.	
199.	RIMLESS CULTURE TUBES, 9 ML 13x100mm - reusable rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.	
200.	RUBBER STOPPER BORER, with different sizes/diameter	
201.	RUBBER STOPPER, Solid black, (# 6 for 250 mL erlenmeyer flasks), 25 mm length. 10 pieces /pack	
202.	SALMONELLA CHROMOGEN AGAR SET, Salmonella Chromogen Agar Base (4x29g); Salmonella Chromogen Agar Supplement (4 vials); per set; Provide SDS of the chemical and certificate of analysis. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.	
203.	SAMPLE VIALS, 12 ML, 19x65mm Amber Borosilicate Glass Vial, 15-425mm Thread, Assembled with Black Solid Top Polypropylene Closure PTFE/F217 Lined, 100/pack	
204.	SAW MACHINE, Meat Bone Saw Machine; AV SM-100C Meat Band Saw 10" With sliding table, vertical and horizontal fence Easy to operate Bandsaw mincer for slicing and cutting at the same time Stainless steel table. Adjustable height Specifications Cutting Capacity: 440 (W) x 200 (H) Motor HP: 1 HP Single Phase	
205.	SCREW CAP CULTURE TUBES, WITH PHENOLIC CAPS, 25ML - 20X125MM,	
206.	SCREW CAP CULTURE TUBES, WITH PHENOLIC CAPS, 50ML	
207.	SEAM MICROMETER, Minimum Reading (mm): 0.01; Measuring Range (mm): 0~13; Specification: For aluminum cans	
208.	SEPARATORY FUNNEL, 125ml	
209.	SEPARATORY FUNNEL, 250 mL. Borosilicate type. Height: 311 mm. Pear shaped (Squibb) type with Teflon stopcock. Clear glass body. Highly chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 included.	
210.	SEPARATORY FUNNEL, Glass, 500 mL. Borosilicate type. Height: 354 mm. Pear shaped (Squibb) type with Teflon stopcock. Clear glass body. Highly chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 included.	
211.	SIEVE, standard, Bottom Pan, 8" diameter, stainless steel, full height	
212.	SIEVE, standard, No. 200 (0.075 mm, 8" Diameter, Stainless Frame and Cloth)	
213.	SIEVE, standard, Pan (Stainless steel with skirt full height)	
214.	SLIDE STAINING AND STORAGE SYSTEM, Made of black polyoxymethylene (POM) plastic which is easy-to-clean and resistant to chemicals used in staining procedures. Slide Rack: Holds twenty-five, 25 x 75mm (1 x 3") slides in numbered slots; Has open bottom for rapid draining and a handle so the rack can be lifted to add or remove slides without touching the staining solution; Maximum use temperature is 90°C (194°F) Staining Dish: Capacity: 250mL; only 150mL is needed when using slide rack; provides a savings on staining liquids, developing fluids and intermediates; Tight lid helps minimize spills and evaporation; Lid inside has a built-in slide rest; also provides a compartment for a drying agent; Dish is easy-to-clean; cover will not jam in freezer storage	

215.	SOIL PH METER, with external electrode, waterproof case and connectors, calibration solutions included accuracy ± 0.07 pH (between 5 and 9 pH)	
216.	SOLUTION, Bile solution, Salts Mixture - 100g - with MSDS and 3-5 years expiry	
217.	SPATULA, PORCELAIN, WITH SPOONS SET FROM 100MM – 260MM, 0.1ML – 6ML	
218.	SPECIFIC HEAT SET, This specific heat set has five different materials, all with the same mass (80 g). Each has a hole to tie a loop of string to hang the samples in water. 1x Aluminum 1.25" d x 1.5" h 1x Brass 3/4" d x 1.5" h 1x Stainless Steel 3/4" d x 1.44" h 1x Zinc 3/4" d x 1.58" h 1x Copper 0.625" d x 1.8" h	
219.	SPREADER, Lazy-L, individually wrapped, sterile (pack of 500)	
220.	STAND, for test tubes, REINFORCED PP, 13MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	
221.	STAND, for test tubes, REINFORCED PP, 16MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	
222.	STAND, for test tubes, REINFORCED PP, 25MM, 18-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	
223.	STORAGE BINS, 25-30L Black carbouy	
224.	STORAGE RACK, Laboratory Sample Storage Rack, material: cold rolled steel or galvanized steel, 1.0mm or 1.2 thickness. weight capacity: 100kg per layer, customized: style: can be assembled and disassembled easily, size:2200x450x2000mm, customized. 3 to 4 layers.	
225.	STORAGE TRAY, rectangular, multipurpose plastic, 22.5x16x7 cm	
226.	SYRINGE FILTER, Sterile; PES membrane, 0.2 um, 13 mm, 100pcs per pack	
227.	TAPE, Strate-Line Autoclave Indicator Tape, 1" x 60yds	
228.	TEMPERATURE DATA LOGGER, with Calibration Certificate - PDF reports can be automatically generated without software; Direct USB connection. NFC wireless communication is possible; Temperature during transportation of pharmaceuticals, food, precision equipment, and art; Temperature Measurement Range (°C): -35~70; Minimum Scale (°C): 0.1; Type: 150 days used up; Memories number: 40000; Dimensions, Width W x Depth D x Height H (mm): 44x12x97mm; Mass (g): 45; Battery replacement: Impossible; Measuring Item: temperature	
229.	TEST STRIPS, litmus pH indicator strips universal application (0-14), pack of 100 strips	
230.	TEST TUBE BASKET, Constructed of polypropylene; Baskets hold test tubes, centrifuge tubes and bottles; Designed for autoclaving, washing and incubating; Each basket comes with a permanently attached lid. Tapered sides allow baskets of the same size to nest for storage. Slotted to allow complete drainage and circulation of water, air and steam. (6" x 6.6" x 7")	

231.	TEST TUBE BASKET, Constructed of polypropylene; Baskets hold test tubes, centrifuge tubes and bottles; Designed for autoclaving, washing and incubating; Each basket comes with a permanently attached lid. Tapered sides allow baskets of the same size to nest for storage. Slotted to allow complete drainage and circulation of water, air and steam. (9" x 9" x 9.4")	
232.	TEST TUBE STAND, REINFORCED PP, 13MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	
233.	TEST TUBE STAND, REINFORCED PP, 16MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	
234.	TEST TUBE STAND, REINFORCED PP, 25MM, 18-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	
235.	TESTER, Manual Water Pressure Test Pump	
236.	<p>THERMAL EXPANSION APPARATUS, students can accurately and easily investigate the expansion of metals with increasing temperature.</p> <p>Brass, copper and aluminum tubes are included so that students can compare the coefficients of expansion of the different metals. The fluid used to heat the tubes can be water or steam at any temperature. We recommend using our Steam Generator (not included).</p> <p>Each tube has a built in thermistor housed under a short length of insulation which does not affect results but makes the tubes easier to handle when heated.</p> <p>Built-in Digital Gauge: Measure the rod expansion with 0.01 mm resolution</p> <p>Built-in Thermistor: A 10 k thermistor is connected directly to each tube and the temperature can be determined using a digital ohmmeter or Temperature Sensor.</p> <p>Heat with Steam or Water: The fluid used may be steam or water at any temperature.</p> <p>Three Drop-in Metal Tubes: Each tube connects securely onto the rigid base. The other two can be simultaneously mounted on the base for convenient storage</p>	
237.	THERMAL MULTIMETER, 80X60 IR Resolution, 50X38 field of view, 10A max, 600mA min, 600V max, 600mv	
238.	<p>THERMOGUN, with Calibration Certificate</p> <p>-The fast and versatile infrared thermometer with 2-point laser marking and 30:1 optics. The surface temperature of smaller objects can be measured at a safe distance. The diameter of the measuring spot is only 36mm at a distance of 1m. Possibility of connecting external temperature probes; Absolute Maximum Temperature Measurement: +400°C; Temperature Scale: Centigrade; Absolute Minimum Temperature Measurement: -30°C; Distance to Spot Ratio: 12:1; Best Accuracy: ±1.5 °C; Emissivity: 0.1 → 1; Resolution: 0.1 °C; Data Storage: Yes; Response Time: 0.5 s; Length: 38mm; Width: 75mm; Height: 190mm; Weight: 200g</p>	
240.	THERMO-HYGROMETER, with Calibration Certificate; Suited for monitoring the indoor climate and dew point in greenhouses, storage, museums, laboratories, and in any location where a continuous and reliable monitoring of the humidity is warranted.	

	The device is designed for installation on wall or table surfaces. The capacitance humidity sensor is specially designed for long-term measuring; Dim: (L x;W x H) 40 x 120 x 89 mm; Weight: 168 g; Height: 89 mm; Length: 40 mm; Width: 120 mm; Dew point/mould detector Humidity reading accuracy: 3 RH; Accuracy \pm °C: 0.5 °C; Humidity reading range (max.): 98 RH; Humidity reading range (min.): 10 RH; Humidity reading accuracy: \pm 3 RH; Temperature: 0 to +50 °C; Power supply (details): 9 V battery pack; Humidity reading range: 10 -98 % RH; Power supply: 9 V battery (1x); Max. temperature: +50 °C; Min. temperature: 0 °C	
241.	THERMOMETER, INFRARED - Range: -4 to 930°F / -20 to 500°C; Resolution: 0.2°; Accuracy: \pm 2°C from -20 to 100°C; \pm 2% from 100 to 500°C; Emissivity: 0.95 fixed; Distance to Spot Size Ratio: 8:1	
242.	THERMOMETER, Red Liquid; 12"; Partial Immersion; Dual Scale; -20 To 150 C / 0 To 300 F	
243.	THERMOMETER, Stem With Lollipop Head- Range -58°F to 626°F and -50°C to 330°C; Resolutions: 0.1°F or °C; Accuracy: +/- 0.8°F (0.4°C) from 14 to 212°F (-10/100°C); Auto Calibration; Min/Max Memory; Auto Off Feature; Stem length 300 mm	
244.	TISSUE, PRECISION WIPES TISSUE WIPERS, 1-ply, are an economical choice for general low-lint cleaning tasks; Soft and absorbent; Anti-static dispensing reduces lint; Coated packaging helps protect wipes from spills (280 pulls per box)	
245.	TLC DEVELOPING TANK, For Phytochemical Laboratory. The tank's clear sides allow for visual inspection of TLC plates up to 20 x 20 cm size. The top of the tank is ground flat to match the lids and the edges are beveled to remove any sharp edges. The bottoms are ground to provide a flat, level surface. A raised ridge along the inside bottom allows the simultaneous development of two 20 x 20 cm or four 5 x 20 cm plates. A standard lid is included. Inside dimensions (W X D X H): Approximately 27 x 7 x 25 cm.	
246.	TLC PLATES, Silica Del F254 Coated Aluminum-Backed TLC Sheets (pack of 100) Analysis Time 20 to 200 min. Disposable Yes For Use With (Application) In-process control in drug synthesis, identity and stability testing of drugs, quality control of pharmaceuticals,	
247.	TRAY, Nursing Trays	
248.	TRAY, plastic, 12 x 18	
249.	TRIANGULAR FILE, 8", laboratory glass triangular file with ergonomic handle	
250.	TUBING, latex rubber, 0.3 x 0.5cm 300CM Natural Latex Rubber Band Yellow Specification: Material:Natural Latex Color:Yellow Size:300 x 0.5 x 0.3cm/118 x 0.2 x 0.12""(L x Outside Dia x Inner Dia) Weight:39g	
251.	UTILITY TRAY, made of POLYPROPYLENE, 10-1/4" X 6-1/4" X 4-1/8" - Heavy-duty for repeated autoclaving of small instruments and labware; With tapered sides, rounded corners and strong rims; Stackable	
252.	UTILITY TRAY, made of POLYPROPYLENE, 12-3/4" X 10-1/8" X 4-1/4" - Heavy-duty for repeated autoclaving of small instruments and labware; With tapered sides, rounded corners, and strong rims; Stackable	

253.	UTILITY TRAY, stainless- Material: 201 or 304 stainless steel; Dimension (L x W x H): 21.5cm x 31.5cm x 1.5cm); Seamless; Finish : Polished	
254.	VACUUM DESICCATOR, plastic	
255.	VACUUM GAUGE, 30" to 0 psig, 1/4" NPT CBM, 2" dia, SS; with 316 stainless steel wetted surfaces.	
256.	VACUUM GAUGE, 30" to 0 psig, 1/8" NPT CBM, 2" dia, SS; with 316 stainless steel wetted surfaces.	
257.	WATCH GLASS, 80mm ribbed	
258.	WEIGHING SCALE, Digital Table Top ; Capacity: 30 kg; With Calibration Certificate; Graduation: 0.001 kg; Weighing, Checking, Counting and Animal Weighing Function, Tri-Color Check result backlight indication, Configurable keypad and check buzzer, Add-Tare-Memory (ATM) and Remove-Tare-Memory (RTM) function, Auto, Preset, Repetitive and Continuous Tare function; Weight and Quantity check mode, Result Check Control for, Accumulation, Data Printout and Data Output, Keypad Lock function; Battery protection circuits, Real time clock, Full Numeric Keypad; RS-232 Bi-directional communication with PC, Display: 6 x 31 mm HTN Bold Type Wide Angle LCD Numeric Digits, Weighing Units: kg / g / lb; Power Source: Built-in Rechargeable Battery = 6V, 4AH; Switching Power Supply = DC 12V, 1A, Platter: 210 x 250 mm ABS Platter with Stainless Steel Insert	
259.	WEIGHING SCALE, Platform; Capacity: 300 kg; with Calibration Certificate; Graduation / Readability: 0.01 kg; Platform Size: 500 mm x 600 mm Function Modes = Weighing, Piece Count and Animal Weighing Mode Check Mode: with synchronized Tri-Color Backlight Indication & Buzzer, Add-Tare-Memory (ATM) & Remove-Tare-Memory (RTM) Function provides Easy Commodity Sorting and Checking Operation; Peak Measuring Mode, Auto & Pre-set Tare Function; Product Code and Costumer Code Registration and Printing; Keyboard Lock Function, Display Indication: Zero, Gross, Net, Weighing Range, Memory & Battery Level & Recharge Indicators; Connection with Computer, External Remote Display, Ticket Printer & Label Printer, Can set Machine Number (0000~9999) and Group Number (00~99), Can be interfaced with Serial Bar-code scanner to enter product code and Full numeric keypad	
260.	WIRE RACK, for transporting bags in upright position; Plastic coated; Double grid design; Racks have a second grid 1" below the top to keep bags upright.; 12-Compartment Rack; 10 1/2" x 11 1/2" x 3 1/4"	
261.	WIRE RACK, for transporting bags in upright position; Plastic coated; Double grid design; Racks have a second grid 1" below the top to keep bags upright.; 15-Compartment Rack; 9 1/4" x 6 3/4" x 3"	

Attached herewith are the manufacturer's product literature(s) and certification(s) that we are authorized to sell the goods.

We certify that the foregoing information and the supporting documents are true and correct.

[*Signature*]
[Name of Authorized Signatory]
[*Position/Title of Authorized Signatory*]

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. **Select one, delete the other:**

- b. *If a sole proprietorship:* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];
- c. *If a partnership, corporation, cooperative, or joint venture:* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. **Select one, delete the other:**

- a. *If a sole proprietorship:* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;
 - b. *If a partnership, corporation, cooperative, or joint venture:* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. **Select one, delete the rest:**

- a. *If a sole proprietorship:* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
- b. *If a partnership or cooperative:* None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of

the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- c. *If a corporation or joint venture:* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:

- a. Carefully examine all of the Bidding Documents;
- b. Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Made an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquire or secure Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to delivery certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20__ at _____, Philippines.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this ___ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ___ at _____.

Witness my hand and seal this ___ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

[Bidder's Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

NET FINANCIAL CONTRACTING CAPACITY

Based on our Income Tax Return and Audited Financial Statement for the Fiscal Year [YEAR], duly submitted to the Bureau of Internal Revenue, and which form part of our Bid, the summary of our firm's financial condition is as given below:

		Year [YEAR]
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

Based on the aforementioned data and the Value of Outstanding Works from the Statement of All Ongoing Government and Private Contracts, which also form part of our Bid, our Net Financial Contracting Capacity (NFCC) is:

NFCC = [(current asset minus current liabilities) (**15**)] minus [value of all outstanding or uncompleted portions of the projects under ongoing contracts including awarded contracts yet to be started coinciding with the contract to be bid].

NFCC =

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[Signature]
[Name of Bidder or Authorized Representative]
[Position or Title]

[Bidder's Letterhead]

[Date]

FINANCIAL BID FORM

To: Tarlac State University
Re: Invitation to Bid No.

Having examined the Bidding Documents [*insert if any or delete, if none: including Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged*], we, the undersigned, offer to [*supply/deliver/perform*] [*description of the Goods*] in conformity with the said Bidding Documents for the sum of [*total Bid amount in words and figures*] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

If our Bid is accepted, we commit to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in **ITB** Clause 14.2 and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per **ITB** Clause 5 of the Bidding Documents.

We likewise certify/confirm that the undersigned, [*for sole proprietorships, insert: as the owner and sole proprietor or authorized representative of [Bidder], has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the [Name of Project] of the Tarlac State University*] [*for partnerships, corporations, cooperatives, or joint ventures, insert: is granted full power and authority by the [Bidder], to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for [Name of Project] of the Tarlac State University.*

We acknowledge that failure to sign each and every page of this Financial Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Dated this _____ day of _____ 20_____.

_____ [signature] _____ [in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

[Bidder's Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

SCHEDULE OF PRICES

Item No.	Description	Qty.	Unit	Unit Price	Total Price
1.	AERATOR, for BOD Analysis. For dilution water and seed inoculum.	2	unit		
2.	ALCOHOL LAMP, glass, medium size	15	piece		
3.	ALCOHOL, denatured	80	bottle		
4.	AMBER BOTTLE, 100mL amber round bottle with black propylene ribbed cap	50	piece		
5.	AMBER BOTTLE, 25mL amber round bottle with black propylene ribbed cap	20	piece		
6.	AMBER BOTTLE, 50mL amber round bottle with black propylene ribbed cap	20	piece		
7.	ANAEROBIC SYSTEM, includes polycarbonate jar (9 x 5 in.); lid with O-ring gasket (rubber); clamp/thumbscrew assembly; catalyst reaction chamber; two catalyst charges; rack for 12 x 100 mm culture dish; tube holder for thirteen 16.5 x 128 mm tubes.	2	set		
8.	ANALYTICAL BALANCE, Standard level analytical balance 252g x 0.0001g; 90mm pan size, high performance benchtop meter, specifications: ± 0.01 pH; ± 1 mV; ± 0.5 oC; -1999-1999 mV; Measurement resolution -50C - 110oC; inclusive meter, electrode and pH powder set (4.01,7.01,10.01)	1	unit		
9.	ANEMOMETER, 0.4/s to 20m/s air velocity range -10, 50° operating temp. 0% to 100%	1	unit		
10.	APPARATUS, CASSAGRANDE CUP, Dimension: 240x230x150 mm, Weight (approx.) 2 kg with Grooving Tool	10	piece		
11.	APPARATUS, DIGITAL CALIPER, made in stainless steel, reading 0.01 mm, accuracy +/- 0.02 mm, repeatability 0.01 mm, 3 buttons: on/off (manual), reset and conversion mm/in.	6	piece		
12.	APPARATUS, Flow Channel (3.0m long) Apparatus with accessories Apillway, Sluice Gate and Set of Weirs with Hooke Gauge	10	piece		
13.	APPARATUS, GRADUATED CYLINDER, 500 ml	4	piece		
14.	APPARATUS, Liquid Limit (Atterberg Limit Test)	15	set		

15.	APPARATUS, Metacentric Height Apparatus with Transparent Basin	15	piece		
16.	APPARATUS, MOISTURE CONTENT TINS AND CANS, 75 mm diameter, 30 mm height	30	piece		
17.	APPARATUS, Plastic Limit	15	set		
18.	APPARATUS, PLASTIC LIMIT, supplied complete with: Glass plate 300x300x5 mm, Steel Reference Rod, Moisture Content Tins 75 mm diameter, Height 30 mm, 6 pcs., Porcelain Mixing Dish 120 mm diameter, Spatula 120 mm, Carrying Case Dimension 360x370x180 mm, Weight (approx.) 3 kg.	10	set		
19.	APPARATUS, Plastic Limit.	15	set		
20.	APPARATUS, Sand Cone	15	set		
21.	APPARATUS, SAND CONE 6.5", Dimensions: 300x300x550 mm, Weight (approx.) 4 kg.	5	set		
22.	APPARATUS, Set of Sieve Shaker	15	set		
23.	APPARATUS, SOIL CONE PENETROMETER, fitted with dial indicator for direct reading of penetration. Supplied complete with 30deg and 60 deg, 30mm long test cone. Manufactured from stainless steel and includes adjustable levelling feet.	10	piece		
24.	APPARATUS, U-TUBE MANOMETERS, measuring range: 100-3000 mm, temperature in celsius: 150, glass tube: U shaped	5	set		
25.	AUREUS CHROMOSELECT AGAR BASE, 500 g per bottle; Provide SDS of the chemical and certificate of analysis. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.	2	bottle		
26.	AUTOMATIC SELF-ZEROING BURETTE is mounted on a glass bottle with 2L capacity. Includes a PTFE needle valve stopcock, intermediate stopcock and rubber bellows. Class A, ASTM E-284, meets USP standards, individually serialized and certified. Includes Schellbach backing for easy reading of liquid levels. With amber graduations. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Automatic Burette, Glass, Class A, Individually Certified, 10-25 mL at 0.05 mL graduation. For DO and BOD Analysis.	1	unit		
27.	BALL AND RING APPARATUS, Length:23 cm Ball Diameter at Room Temperature: 2.36 cm Ring Inner Diameter at Room	10	set		

	Temperature: 2.39 cm Material: brass				
28.	BAR, PTFE magnetic stir bar	3	set		
29.	BAROMETER, Material: Metal - Size: Length 132mm/5.20inch; width 132mm/5.20inch; height 30mm/1.18inch	5	piece		
30.	BASIC CALORIMETRY SET, 1x Aluminum 1.25" d x 1.5" h 1x Brass 3/4" d x 1.5" h 1x Stainless Steel 3/4" d x 1.44" h 1x Zinc 3/4" d x 1.58" h 1x Copper 0.625" d x 1.8" h 1x Calorimeter cup with lid 1x Partial Immersion Thermometer (SE-9084B) 1x Water trap and plastic tubing 1x Instruction manual and experiment guide	10	set		
31.	BASIC ROCK AND MINERAL KIT, Expand your studies of Earth Science with this basic rock and mineral kit, which is actually two kits in one, The rock portion of the kit includes 15 classic examples of igneous, metamorphic, and sedimentary rocks, as well as an identification guide. The mineral part of the kit includes 15 different samples that can be identified by hardness, luster, streak, color, cleavage, and other characteristic properties. It also includes a streak plate, hand lens, and mineral identification guide	5	set		
32.	BASIN, stainless, 8-10L	5	piece		
33.	BEAKER, 100 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	10	piece		
34.	BEAKER, 1000 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	26	piece		
35.	BEAKER, 250 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.	60	piece		
36.	BEAKER, 50ml	20	piece		
37.	BEAKER, 600 ML, with spout, manufactured with uniform wall thickness, offer optimum balance between thermal	5	piece		

	shock resistance and mechanical strength, have a double graduated metric scale to indicate approximate content and extra-large marking spot.				
38.	<p>BI-METALLIC STRIP, demonstrate differential thermal expansion and how thermostats work with this fun demo.</p> <p>When heated in a Bunsen burner flame, this bi-metallic strip bends. The strip is steel on one side and brass on the other side. Since brass expands more than steel, the strip becomes longer on the brass side. As it cools, it becomes straight again.</p> <p>Blade Length 12.5 cm</p>	10	piece		
39.	BOD BOTTLES, 6.9 cm diameter, height = 16.5 cm, capacity = 300 ml, Available with either glass robotic or pennyhead stoppers. 24 pcs. /case.	3	case		
40.	BOD CAPS, BOD Caps with foam insert for BOD Bottles, polyethylene cap complete with a closed cell foam insert snaps firmly over the flared mouth bottle preventing evaporation of water seal during 5-day incubation period. Will not absorb or leak water if bottle is filled. 50 pieces/case.	2	case		
41.	BOTTLE, Reagent Bottle, Brown, 100ml	50	piece		
42.	BOTTLE, Reagent Bottle, Brown, 10ml	20	piece		
43.	BOTTLE, Reagent Bottle, Brown, 20ml	20	piece		
44.	BOTTLE, Reagent Bottle, Brown, 50ml	20	piece		
45.	BRUSH, Buret, for 25-50 mL. Brush Diameter: 1.3 cm; Total Length: 76 cm; Unbleached white nylon bristles are supported by twisted galvanized steel wire.	3	piece		
46.	BRUSH, for MICRO-TUBE, 0.25-0.5" diameter, 3" brush length, 7" overall length	5	piece		
47.	BRUSH, for TEST TUBE, 0.5" diameter, 3" brush length, 8" overall length	5	piece		
48.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 1000ML, 17" Length, 1-3/4" dia, 5" brush length	5	piece		
49.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 250ML, 12" Length, 1-3/8" dia, 3-1/2" brush length	5	piece		
50.	BRUSH, for VOLUMETRIC FLASK, WHITE BRISTLE, 500ML, 14" Length, 1-1/2" dia, 4" brush length	10	piece		
51.	BRUSH, Kitchen Cleaning Brush; Long Handle Cleaing Brush with Removable Brush Sponge; With Built-in Dispenser of Dishwashing Liquid	3	piece		
52.	<p>BUNSEN BURNER, • Designed with a flame stabilizer to provide a steady flame for general laboratory needs.</p> <ul style="list-style-type: none"> - Stable, heavy base - Steady flame 	1	unit		

	<ul style="list-style-type: none"> • Stable, heavyweight die-cast base of nickel-plated zinc-alloy with aluminum mixing tube, 8mm (5/16") serrated gas inlet, and air regulator. The optional wing top produces a broad flat flame for working glass and general lab use. • Height - 15.6cm (61/8") • Natural Gas Burner with output 800–1200 BTU 				
53.	BUNSEN BURNER, Standard Burner, Natural Gas, 1/2" (13mm) Mixing Tube OD, 5.33 CFH, 5,465 BTU Output, 5-3/8" (137mm) Overall Height	10	piece		
54.	BURETTE, 25ml, with plastic stopcock	20	piece		
55.	CAPILLARY TUBE, cat no. 2501, 200 tubes/vial	2	vial		
56.	CART, LABORATORY WIRE BASKET GLASSWARE CARTS - Fully assembled from 18-gauge, 1 inch square steel tubing; 4 inch diameter casters which absorb vibration over rough, uneven floors. Two have toe-locks.; four wire basket racks; Includes removable drip pan; Ergonomic, extruded rubber handle grips; Lightweight, vinyl-coated portable wire baskets are corrosion resistant, easy to clean and safe for transporting glassware. Overall, 34 7/8" x 19" x 36 3/8" high	2	unit		
57.	CLAMP, for laboratory use, iron, 3-prong	20	piece		
58.	CONTAINER, Plastic Carboy, chemical resistant for Laboratory Wastes like Acids and Organic Solvents, 20-25 L capacity.	10	piece		
59.	CORK BORER SET, Plated Brass, Set of 15, 3/16" to 15/16" OD Size	4	set		
60.	CORK STOPPER, 16, 25, and 50mm diameter (pack of 500)	2	pack		
61.	COTTON SWAB, Cotton tipped applicator with 6" wood shaft, single-tip, sterile, 1000/box	7	box		
62.	COVER GLASS RECTANGLES, 11 x 22, 1 oz. Box	120	box		
63.	CULTURE TUBE CAP, FOR 13MM GLASS CULTURE TUBES, Blue, 100/bag	2	bag		
64.	CULTURE TUBE CAP, FOR 16MM GLASS CULTURE TUBES, Blue, 100/bag	2	bag		
65.	CULTURE TUBE CAP, FOR 25MM GLASS CULTURE TUBES, Blue, 100/bag	2	bag		
66.	CULTURE TUBES, with screw caps. Borosilicate type. OD x L = 25 x 150 mm or 22 x 175 mm or 25 x 200 mm. Capacity to Neck: 50 mL. 10 pieces/pack. Total of 20 pieces. For TSU-ATL use.	1	pack		
67.	DE-OILING MACHINE, (Fried Deoiler Machine) This deoiling machine is used to deoil (remove the extra oil) from the vegetables. It adopts centrifugal principle; it has	1	piece		

	<p>excellent performance and won't damage to vegetables. This potato chips deoiling machine was made of full stainless steel, full closed and digital control, on the other hand, it also install the system of shake proof, adopt the principle of centrifuge, equipped with electric brake, automatic digital controlling, was made of stainless steel, was the most advanced dewatering device of vegetable and food, suitable for food and vegetable dewatering operation of behind of washing;</p> <p>Voltage:220V/380V/Customization; Power:2.2kw; Weight:420kg; Dimension(L*W*H):1200*700*750mm; Name: Deoil Machine; Application: Remove oil from snack; Capacity:500kg/h; Function: Multifunction; Advantage: Simple Operation; Material:304 Stainless Steel; Feature: High Efficiency; Type: Batch</p>				
68.	<p>DIAL THERMOMETER, with Calibration Certificate</p> <p>Using stainless steel probe, anti-rust, anti-corrosion, high temperature resistance. Using silk screen technology, the scale is clear, and the measurement reading is more accurate. Bimetal thermometer, durable and stable performance. Widely used in residential equipment such as ovens and grills and industrial equipment such as heaters and oil refineries. Specifications: Material: Stainless steel; Temperature range: 100~550°F; Installation method: Shaft; Accuracy class: 2.0; response time: ≤40s; IP rating: IP55; Angle error: below 1% of scale; Dial diameter: 80mm; Nut diameter: 14*10mm; Stem diameter: 6mm; Stem length: 75mm; Screw thread: M8*1; Item Size: 8*8*8.9cm / 3.14 * 3.14 * 3.5in; Item Weight: 96g / 3.38oz; Package Weight: 123g / 4.33oz; Package Size</p>	5	piece		
69.	<p>DIGITAL ANALOG SCALE, Capacity : 200g 600g 1000g 1500g 2000g 3000g 5000g</p> <p>High precision load cell Rugged plastic housing Big size stainless steel pan High contrast easy to read LCD display Height adjustable feet Full capacity subtraction Stabilization time 1.5 seconds Overload protection Below balance weighing facility Checking weighing, piece counting function Bubble level for choice RS232 Interface</p>	3	piece		
70.	<p>DIGITAL CALIPER, • Calipers measure outside diameter, inside diameter, and depth.</p> <ul style="list-style-type: none"> - Ergonomic Design - Traceable® 	2	unit		

	<ul style="list-style-type: none"> • Ideal for measuring outside diameter of stoppers, inside diameter of tubing, and depth of vials. • Zero button instantly sets closed jaws or any reference point to zero. • Floating Zero™ may also be set in mid-measurement to read “difference results” without calculations. • Calipers feature ergonomic design and durable hardened stainless steel or composite carbon fiber construction. • Easy-to-read, 0.6 cm (1/4") high, digital readout switches from millimeters to inches at the touch of a button. • Friction thumb roller allows for fast readings. • Depth bar extends from end of instrument and no lubrication is ever required on the slide bar. • Material : Stainless Steel • Dimensions : 27.9 x 7.6 cm (11 x 3") • Accuracy: ±0.03 mm (±0.001") • Measurement Range : 0–20.3 cm (0–8") • Resolution: 0.01 mm (0.0005") • Supplied with battery (runs for 10,000 hours). 				
71.	DIGITAL CALIPER, with Calibration Certificate; Designed with a slim, streamlined profile that is comfortable and easy-to-use. Features a large, clear LCD display with a long battery life and function buttons for zero and inch/mm. With a resolution of 0.01mm; Lightweight, ergonomic design; Integrated depth rod; Last measuring position retained when shut off; Large, easy-to-read, high-contrast LCD digital readout; Inch/millimeter conversion reads 0.0005" or 0.01 mm; Zero at any position; Fine adjustment thumb wheel; Hardened stainless steel body; Auto-Off after 30 minutes; RS232 output; Output jack; Works well with DataSure; Wireless Data Collection systems	2	piece		
72.	DIGITAL THICKNESS GAUGE, Resolution: 0.0005 in, 0.01 mm; Accuracy: +/-0.001 in; Data Output Type: Cable; Actuation Type: Trigger; Actuation Type: Trigger; Contact Material: Ceramic; Dimension Type: Inch/Metric; Range: 0 in to 1/2 in, 0 mm to 12 mm; Throat Depth: 4.7"; Anvil Diameter: 0.394"; Battery Size: Silver Oxide Cell SR44; Display Type: LCD; Grip Style: Convenient Grip; Maximum Measuring Force: 1.5 N; With Calibration Certificate	1	piece		
73.	DISPENSING BINS, Acrylic, large, (7W X 12D X 10.5H) - Flip top lids on the top and on the front; Made from premium acrylic;	6	piece		

	Holds tube caps, cotton balls, pipette tips, analyzer cups, etc.				
74.	DISTILLING KIT, made from heat-resistant borosilicate glass; 1 Erlenmeyer Flask, 500ml; 1 Distillation Flask with Thermometer Holder, 1L with a 24/40 ground glass joint; 1 Biomass Flask; 1 Distilling Arm with a 45/50 ground glass joint; 1 Distillation Separation Tube; 1 Liebig Condenser, 300mm long with 24/40 ground glass joints; 1 Support Stand; 1 Extension Clamp; 1 Clamp Holder; 1 BURETTEe Clamp; 5 Feet of Latex Tubing; 1 Glass Stopper; 2 Head Clips	3	set		
75.	DROPPER, for medicine, Glass, (36/pack)	2	pack		
76.	DROPPING BOTTLE, with dropping bulb and pipet, Standard Taperground-glass stopper 125 ml	1	piece		
77.	DURHAM TUBES, 6 x 50 mm, borosilicate glass tube	350	piece		
78.	DURHAM TUBES, 8 x 45 mm	800	piece		
79.	ELECTRODE TIP GUARD, compatible with ADWA pH meter electrode. 2 pcs/pack	1	piece		
80.	ELECTRONIC HOTPLATE, with magnetic stirrer, glass ceramic top which has excellent chemical resistance The surface is easy to clean Robust coated aluminium Flashing "Hot" warning light, mains independent Accurate temperature control with LED indicator scale Powerful magnets and motor give stirring speeds up to 2000rpm Supplied with 2 x 25mm PTFE coated stir bars Hotplate Material Ceramic Plate Size 150 x 150mm Maximum Hotplate Temperature +450°C Magnetic Stirrer Yes Maximum Stirring Capacity 15L Maximum Stirrer Speed 2000rpm Power Rating 550W Power Source Mains Dimensions 172 x 248 x 122mm Weight 2.9kg Height 122mm Length 172mm Plate Length 150mm Model Number pUC152 Plate Width 150mm Width 248mm	5	unit		
81.	ENERGY TRANSFER CALORIMETER, 1x Outer Aluminum Cup (8.9 cm tall, 4.7 cm dia) 1x Inner Aluminum Cup (7.5 cm tall, 3.8 cm dia) 1x Plastic Lid 1x Two-Hole Rubber Stopper 1x Heating Resistor with Input Cables	10	set		
82.	ERLENMEYER FLASK, 1L, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume	3	piece		

83.	ERLENMEYER FLASK, 250ml, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume	70	piece		
84.	ERLENMEYER FLASK, 500ml, Heavy-duty rim for longer service; Narrow mouth; Graduated scale indicates approximate volume	3	piece		
85.	EVAPORATING DISH, Porcelain, 100mL capacity	50	piece		
86.	FILTER ADAPTER, Filter Adapter, Plus Stopper Thermometer Adapter Centrifuge Tube with Snap Cap, 15 mL Chromatography Column, Glass 150 mm w/ Disc One Way Stopcock, PE/Nylon Connector w/ Support Rod Connector Only Distillation Column Distillation Head, 60 mm Short Neck Flask, 5 mL Long Neck Flask, 5 mL Erlenmeyer Flask, 10 mL Filter Flask, 25 mL Hirsch Funnel, with Disc Reaction Tube, 10 x 100 mm Spatula, S.S. Sleeve Stoppers	8	set		
87.	FILTER FORCEPS, BLUNT END, AND STAINLESS STEEL, FILTER FORCEPS, BLUNT END, and STAINLESS STEEL - Stainless steel, self-closing; Flat, smooth tips are bent at a slight angle to minimize damage to filter; Serrated gripping area; Durable construction; Autoclavable; Unique cross-action design lets you hold membrane without applying constant pressure	10	piece		
88.	FILTER PAPER, Ordinary, 100 circles/box, 12.5 cm.	3	box		
89.	FILTER PAPER, Qualitative, #1, with diameter of 150 mm. 100 pieces per box.	4	box		
90.	FILTER PAPER, Qualitative, #2, with diameter of 150 mm. 100 pieces per box.	4	box		
91.	FILTER PAPER, Whatmann, Number 1, Pack of 100	3	pack		
92.	FILTER PAPER, Whatmann, Number 40, pack of 100	4	pack		
93.	FILTER PAPER, Whatmann, Number 42, pack of 100	4	pack		
94.	FILTRATION SET-UP AND ASSEMBLIES, Including Glass Frit; SS Screen and SS Holder with Clamp; Fritted Glass Support; 47 mm; Used for General Filtration; Supplied with a coarse fritted glass support base; 300ml Graduated Funnel; Anodized Aluminum Clamp and a	3	set		

	#8 Stopper; 2 years warranty on parts and services with training or demonstration				
95.	FLASK, Rotary Evaporator Accessories. Should be compatible with existing DLAB Pro-100 brand. Including spare round bottom flasks of different capacities with neck size 29/32	1	set		
96.	FLASK, VOLUMETRIC FLASK, 25ml, Borosilicate glass. Clear. with plastic/glass cap	15	piece		
97.	FLASK, VOLUMETRIC FLASK, 50ml, Borosilicate glass. Clear. with plastic/glass cap	15	piece		
98.	FORCEPS, FILTER, BLUNT END, and STAINLESS STEEL - Stainless steel, self-closing; Flat, smooth tips are bent at a slight angle to minimize damage to filter; Serrated gripping area; Durable construction; Autoclavable; Unique cross-action design lets you hold membrane without applying constant pressure	15	piece		
99.	GLASS BEADS, 5mm laboratory, pack of 500	2	pack		
100.	GLASS BEADS, made of solid borosilicate or soda-lime glass, chemical resistant with approximate diameter of 5 mm, 1 lb per case.	2	case		
101.	GLASS FUNNELS, short stem 60 and 100mm diameter	20	piece		
102.	GLASS WEIGHING BOTTLES, low-form, capacity: 1.18 oz., 35 mL; capacity (metric): 35 mL Capacity (english): 1.18 Oz. form: low form; material: borosilicate glass; no per case: 6/Cs. sterility: non-sterile; standard taper joint: 50/12 weight (metric) 53g	1	case		
103.	GLASS WOOL, analytical grade. Comes in sheets 3mm thick x 250 mm wide x 1,300 mm long. Provide SDS of the chemical and certificate of analysis upon delivery. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.	1	sheet		
104.	GPS DEVICE, HANDHELD, 4-in screen, 480x272-pixel resolution, 3-axis compass with barometric altimeter, GPS and GLONASS satellites	1	piece		
105.	GRADUATED CYLINDER, WITH SPOUT, 100 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	17	piece		
106.	GRADUATED CYLINDER, WITH SPOUT, 1000 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale,	17	piece		

	numbered up and down, is in durable white enamel.				
107.	GRADUATED CYLINDER, WITH SPOUT, 25 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	2	piece		
108.	GRADUATED CYLINDER, WITH SPOUT, 50 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	2	piece		
109.	GRADUATED CYLINDER, WITH SPOUT, 500 ML - With spout and hexagonal base; Supplied with shock absorbing bumper guards; The double scale, numbered up and down, is in durable white enamel.	17	piece		
110.	HEAT CONDUCTION APPARATUS, The Heat Conduction Apparatus has four metal bars (1 aluminum, 1 stainless steel, 2 brass having different cross-sections). One end of each bar is heated or cooled by applying power to the Peltier device which is attached to one end. Each bar has two 10 k Ω thermistors embedded in it about 3 cm apart from each other. A cable (male 8-pin mini-DIN to male 8-pin mini-DIN) is supplied to connect the thermistors in this apparatus to the PASPORT Temperature Array so data can be recorded from all eight sensors simultaneously. Foam insulators are supplied to cover the bars during the experiment. The apparatus now has a thermoelectric module with a switch to change the DCV being applied to it for a "Heat" or "Cool" option	10	set		
111.	HEMACYTOMETER, cover slips, Glass, 20x26mm, 0.35mm thickness, 10s/box	3	box		
112.	HEMACYTOMETER, High light transmission; Brightly illuminated line; Two special counting chamber cover glasses; Light transmission between 29% and 32%	3	piece		
113.	HOTPLATE, with magnetic stirrer - Stirring Quantity Max per stirring position (H ₂ O) [l]: 10; Motor Rating Output [W]: 1.5; Direction of Rotation: Left; Speed Control: Scale 0-6; Speed Range [rpm]: 0-1500; Stirring Bar length max [mm]: 80; Heat Output [W]: 1000; Heating Temperature Range [C]: 50-550; Heat Control: LED; Heating Rate Heating Plate [K/min]: 5-7; Control Accuracy with Sensor [+/-K]: 3 setup; Plate Material: Ceramic; Permissible Ambient	2	unit		

	Temperature [C]: 5-40; Permissible Relative Humidity [%]: 80; 110/220V + 10%; 50/60Hz; 2 years warranty on parts and services with training or demonstration;				
114.	HYDROMETER, 1.500/2.000 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.400/1.650 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.800/2.000 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.000/1.250 Specific Gravity Hydrometer for Liquids Heavier Than Water; 1.200/1.450 Specific Gravity Hydrometer for Liquids Heavier Than Water; 0.800/0.910 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.900/1.000 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.690/0.800 Specific Gravity Hydrometer for Liquids Lighter Than Water; 0.790/0.900 Specific Gravity Hydrometer for Liquids Lighter Than Water	3	set		
115.	HYGROMETER, Relative humidity range is 25 to 95%; Resolution is 1% RH; Accuracy is $\pm 3\%$ RH mid-range to $\pm 5\%$ elsewhere; Temperature range is 0-50°C / 32-122°F; Resolution is 1°; Accuracy is $\pm 1^\circ\text{C}$; Meter may be used with bench stand and can also be wall mounted. Unit measures 3 1/2" x 5" x 7/8" and weighs six ounces. Devices are provided with an individually serial numbered certificate from an ISO 17025 calibration laboratory accredited by A2LA. Certificate indicates traceability to standards provided by NIST.	5	piece		
116.	IDEAL GAS LAW APPARATUS, 1x Ideal Gas Law Syringe 1x Built-in Fast Response Thermistor 1x Quick-Connect Pressure Port 1x Male Luer connectors to attach wireless pressure sensor	5	piece		
117.	INOCULATING NEEDLE, Length: 45mm	20	piece		
118.	INOCULATION LOOP, Rigid, 10uL with Needle, with Calibration Certificate, STERILE, Yellow, Individually Wrapped, 500/pack	2	pack		
119.	INSECT LIGHT TRAP, 10 watts, 16 x UV-A LED insect light with spectrum at 365nm for best attraction • Long lamp working hours • Allows 360 degrees insect attraction • With Electric Grid • With on / off switch • ABS Fireproof plastic material • With collection tray for easy cleaning • With chain for wall hanging • Desktop or floor stand use Color: Dark gray DIMENSION: (L)33cm x (W)10cm x (H)26cm	6	piece		
120.	IRON CLAMP, 3-prong Iron Clamp, laboratory clamp	20	piece		

	material: zinc alloy color: silver four prong extension flask clamp size: full length: approx. 26.5cm rod diameter: approx. 7mm rod length: approx 19.5cm securing clip size: full length: approx. 18.5cm rod diameter: approx. 7mm width: approx. 2.2cm				
121.	KOVACS INDOLE REGEANT, 100ml	1	piece		
122.	LABORATORY BLENDER, homogenizer, pulverizer, mixer-1 liter capacity, different speed	3	set		
123.	LABORATORY THERMOMETER, Divisions: 2°F; accuracy: ±4°F; length: 300mm (12in); immersion: total Features red organic liquid against white back glass	10	set		
124.	LAZY-L-SPREADERS, individually wrapped, sterile, pack of 500	1	pack		
125.	LENS PAPER, BX. 2,000 - Soft, lintless paper, free from impurities; Non-abrasive; safe for coated lenses; Suitable for cleaning optical instruments; Size: 5" x 7"; box contains 2,000 papers	4	box		
126.	LIGHT INTENSITY METER, Lux/Fc reading, digital LCD display, portable, auto ranging	1	piece		
127.	LPG, Acetylene Gas, high purity for AAS. 250 psi, min. 99% purity, SP gases including the gas cylinder.	3	tank		
128.	LUX METER, Illuminator; with Calibration Certificate; Light meters measure light levels or light pollution within the environment. It's a key piece of equipment to ensure that there is the right amount of ambient light within the workplace, at school or even at home, and are often used by photographers in studios and natural environments to calibrate film equipment. They most often measure light sources like white LED light, fluorescent lighting, metal halide, high-pressure sodium and incandescent lighting; Spectral response close to CIE luminous spectral efficiency; Measures intensities of illumination displays in lux or foot- candles; Silicon photo diode and filter; Light sources measured include all visible light sources; Cosine angular corrected; Auto power off and disable function; Data hold, Max/Min/AVG hold; Real Zero function; Auto-ranging; Light source selecting Tungsten/Daylight, Fluorescent, 0 ~ 9 select rating; Measuring range 400,4000,40 000,400 000 lux, 40,400,4000,40 000 foot-candles;	2	piece		

	Accuracy $\pm 3\%$ ± 3 lux, 0 ~ 500 lux, $\pm 3\%$ up 501 lux (calibrated to standard incandescent lamp 2856°K), $\pm 8\%$ other visible light source; Powered by 1.5 V AAA batteries (x2; Dimensions 133 x 48 x 23 mm; Weight (including battery) 80 g				
129.	MASK, Surgical Face Mask, 3ply, with earloop, disposable, 50pcs/box, FDA Registered	5	box		
130.	MEASURING PIPETTE, (BOROSILICATE, 10ML CAPACITY)	15	piece		
131.	MEASURING PIPETTE, (BOROSILICATE, 20ML CAPACITY)	5	piece		
132.	MEASURING PIPETTE, BOROSILICATE, 1ML CAPACITY	15	piece		
133.	MECHANICAL EQUIVALENT OF HEAT APPARATUS, Crank Counter: Counts the number of turns on the handle. Thermistor: Embedded in the cylinder, it has lower thermal mass Durable Construction: Constructed primarily of steel and aluminum, there's virtually nothing to break. The thermistor is protected in the cylinder. 1x Base, cylinder, crank, and counter with a built-in table clamp 1x 1-gallon can that can be filled with a measured mass of sand or water (if 10 kg of laboratory masses are not available) 1x 3.7 m of flat nylon rope 1x Laboratory manual including theory, step-by-step instructions, and data tables	5	set		
134.	MEDIA STORAGE BOTTLES, 1000 ML - Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.	5	piece		
135.	MEDIA STORAGE BOTTLES, 250 ML, Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.	60	piece		
136.	MEDIA STORAGE BOTTLES, 500 ML - Heavy-duty media bottle can be used for storage as well as mixing and sampling. Includes liner less, one-piece autoclavable polypropylene plug seal cap with drip free pouring rings. Bottles have permanent white enamel graduations and marking spots.	35	piece		
137.	MEDICINE DROPPER, Glass, 36/pack	2	pack		
138.	MEMBRANE FILTERS, Sterile Cellulose Microplus Membrane Filters - white with	3	box		

	3.1 mm black grid for Membrane-Butler, 0.45 μm , 47 mm circle (100 pcs)				
139.	MICROMETER SET, set of 6 micrometers; External metric micrometer set; Minimum measurement of 0 mm; Maximum measurement of 150 mm; Resolution of 0.01 mm; Accuracy of ± 0.004 mm; Set contains six micrometers, setting rods and adjustment tools	2	set		
140.	MICROSCALE KIT, Williamson Improved Standard Microscale Kit 26 - Connecting adapter, filter adapter, pluro stopper, thermometer adapter, centrifuge tube, chromatography column with disc, one-way stopcock, PE/Nylon, connector with support rod, connector only, distillation column	10	set		
141.	MICROSCOPE SLIDES, WHITE GLASS FROSTED, 25 x 75mm	30	box		
142.	MOLECULAR MOTION MODEL, fifty-one chromed steel balls represent the molecules of a gas in a closed vessel. Heat is simulated by supplying vibrations from a wave driver. When this external energy is applied, the steel balls exert a pressure on the container, forcing the top of the container upward. The relationship between temperature, pressure and volume is clearly demonstrated. Students also gain insight into the effects of temperature and height on the density of an ideal gas in a gravitational field. It can be used on an overhead projector	5	set		
143.	NARROW MOUTH WASH BOTTLE ASSORTMENT, 250 ML, pack of 5	2	pack		
144.	NICHROME INOCULATING LOOPS, 8" H	20	piece		
145.	NOISE METER, digital LCD display, 30-130 dB range, ± 1.5 dB precision, 0.01 dB resolution	1	unit		
146.	OIL EXTRACTOR MACHINE, Home use oil press machine is a screw-driven oil making machine that used to extract oil from seeds and kernels for edible oil; Size: 650*505*980mm; Voltage: 220V; Rated power: 1600W; Moto power: 1070W; Hopper capacity: 5L; Frequency: 50-60Hz; Packing weight: 60KG; Press Efficiency: up to 13kg; Material: Stainless Steel	1	piece		
147.	OVEN MITTEN, 13" Long Thick Silicone Oven Mitts / Heat-Resistant Oven Mittens / Anti-scalding Kitchen Gloves / Potholder for Cooking & Baking	3	piece		
148.	OVEN THERMOMETER, Measurement Range: 50 to 300°C (100 to 600°F); Accuracy: $\pm 10^\circ\text{C}$; Certification: RoHS, Reach, etc.; Dimensions: 60*70cm;	5	piece		

	Weight: 60g Materials: SUS430, Glass, Silicone				
149.	OVEN, Manual Set-up Smoke House Oven (3 IN 1 MULTI FUNCTION BARBECUE GRILL AND SMOKER); Built in thermometer; Easy to assemble, easy to clean; First layer can be used for grilling; Second layer can be used for roasting; Third layer for smoking; With free stainless chicken holder; Height: 84cm (including the cover and handle); Cooking diameter : 40cm; Material steel rolled iron	2	piece		
150.	PAPER, Litmus Paper (Blue) - Ajax 2401 100/box	10	box		
151.	PAPER, red and blue precision litmus paper, pack of 100 strips	10	pack		
152.	PARAFILM, 4 in x 125ft (100mm x 38mm)	13	piece		
153.	PETRI DISH, with cover, 100 X 15 - Flat, clear dishes will withstand repeated sterilization (wet or dry). The edges are beaded to provide greater mechanical strength. The bead also provides a means to equally space the sidewalls of the bottom and cover, thereby reducing the capillary action of the condensed moisture on the sides. They are not affected chemically or thermally by any of the methods commonly employed in laboratories where sterilization is routinely used. The covered dish is not airtight. Bottoms also have a triangular enamel reference point for serial dilutions.	505	piece		
154.	PH METER, Handheld Ph Meter/ Thermometer Robust, waterproof and dishwasher-safe protective case (protection class IP68) Temperature specification; Measuring range;0 to +60 °C (Short-term to +80 °C max. 5 min), Accuracy; ±0.4 °C, ;Resolution 0.1 °C pH - Electrode Measuring range;0 to 14 pH Accuracy;±0.02 pH Resolution;0.01 pH General Specification, Weight;69 g, Dimensions;197 x 33 x 20 mm ((LxWxH)), Operating temperature;0 to +60 °C, Product-/housing material; ABS, Protection class;IP68, Product colour; white, Length probe shaft;3.5 mm, 35 mm, Diameter probe shaft;15 mm, Display type; LCD (Liquid Crystal Display), Display size;2 lines, Measuring rate;2 measurements per second, Temperature compensation; automatic, Storage temperature;-20 to +70 °C.	5	piece		
155.	PH METER, Handheld; with Calibration Certificate; Stable measurements are	2	piece		

	automatically recognized, allowing for easy readings. Built-in temperature probe ensures efficient temperature compensation. Includes essential accessories to get started right away; Measuring range: 32 to 140 °F (0 to 60 °C); Accuracy: ±0.7 °F (±0.4 °C); Resolution: 0.1 °F / 0.1 °C; pH - Electrode Measuring range: 0 to 14 pH; Accuracy: ±0.02 pH; Resolution: 0.01 pH; Protection Class: IP68; Display size: 2 lines; Storage temperature: -4° to 158°F (-20 to +70°C); Operating temperature: 32° to 140°F (0 to +60°C)				
156.	PH PAPER, 0 to 14 range at 100 strips/pack. For immediate and on-site pH checking.	10	pack		
157.	PHENOL, 100g - with MSDS and 3-5 years expiry	2	bottle		
158.	PIPETTE SUPPORT RACK, can hold up to 16mm, 50 places pipettes, made of sturdy polypropylene Dimensions: (8 3/8 x 4 1/2 x 8 3/4 in.)	2	piece		
159.	PIPETTE TIPS, 0.1-10UL, Universal, Natural, 31mm, Racked, 96/Rack, 10 Racks/Box (autoclavable tips and tip box)	1	box		
160.	PIPETTE TIPS, 1 - 200UL, Graduated, Yellow, 54mm, 96/Rack, 10 Racks/Unit (autoclavable tips and tip box)	1	box		
161.	PIPETTE TIPS, 10 ML, Racked, Box of 28 Tips (autoclavable tips and tip box)	3	box		
162.	PIPETTE TIPS, 100-1250UL, Universal, Blue, 84mm, Racked, 96/Rack, 6 Racks/Box (autoclavable tips and tip box)	1	box		
163.	PIPETTE TIPS, 10mL - Bag Of 1000; Fully autoclavable	1	bag		
164.	PIPETTOR, PIPETTOR, SINGLE-CHANNEL, (SET) 0.5 - 10UL, 5-1000UL, WITH 10 UL TIPS, 200UL AND 350UL TIPS IN RACKS @ 1 PACK EACH WITH LINEAR STAND	3	set		
165.	PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (100-1000ul) - increment 1.0 ul;- Systematic Error for test volumes 100ul needs 12.0ul, 500 ul needs 4.0ul and 1000ul needs 7.0ul; Descriptions: - Easy volume adjustment with click stop system;- Large display for easy reading of volume-For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to	2	unit		

	<p>secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly; - Superior Ergonomics - designed handle and finger hook; - Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil; - Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>				
166.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(1000-10,000 ul)- increment 20.0 ul;- Systematic Error for test volumes 1000ul needs 30.0ul,5,000 ul needs 60.0ul and 10,000ul needs 60.0ul; Descriptions:-Easy volume adjustment with elick stop system; - Large display for easy reading of volume-For both right-and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette;- Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, - Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;- Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year</p>	2	unit		

	monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer				
167.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(20-200 ul) - increment 0.20 ul; -Systematic Error for test volumes 20ul needs 0.46ul,100 ul needs 0.80ul and 200ul needs 1.20ul; Descriptions-Easy volume adjustment with click stop system; -Large display for easy reading of volume -For both right-and left-handed users; -Color coded for easy matching of fitting tips; -Materials have high chemical and UV- resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, -Superior Ergonomics- designed handle and finger hook;-Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>	2	unit		
168.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR(500-5000 ul) -increment 10.0 ul; Systematic Error for test volumes 500ul needs 0.46ul,2,5000 ul needs 17.50ul and 5000ul needs 30.0ul;Descriptions: - Easy volume adjustment with click stop system;-Large display for easy reading of volume -For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; -With light tip ejector;- Fully autoclavable without the</p>	2	unit		

	<p>need for disassembly, - Superior Ergonomics-designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;-Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>				
169.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (0.5 to 10ul) - increment 0.01 ul; - Systematic Error for test volumes 1ul needs 0.030ul .5 ul needs 0.075ul and 10ul needs 0.10ul; Descriptions:- Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette;-Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly, - Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil; - Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty</p>	2	unit		

	2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer				
170.	<p>PIPETTOR, SINGLE CHANNEL MECHANICAL PIPETTOR (10 to 100ul) - increment 0.10 ul;- Systematic Error for test volumes 10ul needs 0.30ul, 50 ul needs 0.50ul and 100ul needs 0.80ul; Descriptions:-Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV-resistance to secure long life-time of the pipette;- Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10ul for extra protection when using non-filtered tips; - With light tip ejector, - Fully autoclavable without the need for disassembly, -Superior Ergonomics - designed handle and finger hook;- Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil;- Pipetting force of 15N to avoid Repetitive Strain Injury (RSI);- With click stop as volume locking; - Length 239 mm; - Weight of 82 grams; Installation and Commissioning on Site Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2-year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>	2	unit		
171.	<p>PIPETTOR, Single-Channel High Precision Pipettor, 1,000-10,000µL - Adjustable-Volume Pipettor, 1,000 to 10,000µL; 20 µL increment; Slim ergonomic design and light weight; Ultra-</p>	3	piece		

	soft plunger activation; adjustable tip ejection system; User calibration with integrated key; Accuracy: 5%; 50µL; 1 %; 50 µL; 0.6%; 60 µL				
172.	PIPETTOR, Single-Channel High Precision Pipettor, 100-1,000µL - Adjustable-Volume Pipettor, 100 to 1000 µL; 2.0 µL increment; Slim ergonomic design and light weight; Ultra-soft plunger activation; adjustable tip ejection system; User calibration with integrated key; Accuracy: ±0.70%	3	piece		
173.	PLASTIC WASH BOTTLE, HDPE, 500 ml capacity	30	piece		
174.	POWER SPRAYER PRESSURE WASHER, Portable; Voltage: 220-240 V; Frequency: 50/60 Hz; Rated Power: 1,200 W; Rated Pressure: 70 bar; Maximum Pressure: 100 bar; Rated Flow: 5.5 L/min; Maximum Pressure Water Supply: 1.2 MPa; Maximum Water Temperature: 50 C; Sound Pressure Level: 81 dB; Sound Power Level: 92 dB	2	piece		
175.	PREPARED SLIDE, Botany slides: Allium tuberosum (Chives) root, c.s, Arachis hypogaea (Peanut) old stem, c.s, Arachis hypogaea (Peanut) young stem, c.s, Fern prothallius young sporophyte, w.m, Ficus (Fig) leaf with foveolate stomas, c.s., Glycine max (Soybean) root nodule c.s, Lilium (Lily) anther meiosis, c.s, Monocot & dicot leaves, c.s, Monocot & dicot roots, c.s, Monocot & dicot stems, c.s, Moss leaf, w.m., Moss protonemata, w.m, Moss, w.m, Narcissus tazetta (Narcissus) root tip mitosis, c.s., Pine female globose fruit, l.s, Pine male globose fruit, l.s, Pollen germination, w.m, Ranunculus japonicus (Mao gen) root, c.s, Raphanus sativus (Radish) fleshy root, c.s, Solanum tuberosum (Potato) tuber, sec., Three types of plant leaves, section, Tilia (Basswood), one, two & three year stems, c.s, Triticum aestivum (Wheat) seed, l.s, Vicia faba (Bean) leaf stoma, w.m, Zea mays (Corn) seed, l.s	3	set		
176.	PREPARED SLIDE, Chicken embryology set	1	piece		
177.	PREPARED SLIDE, Frog Ovary; Section H&E Stain	3	piece		
178.	PREPARED SLIDE, Frog's embryonic development, sectioned until 9mm	3	piece		
179.	PREPARED SLIDE, frogs late embryonic development	3	piece		
180.	PREPARED SLIDE, Human Ovary	3	piece		
181.	PREPARED SLIDE, Non-Animal microscope slide set contains 50 professionally prepared and stained tissue	3	set		

	specimen slides (Plant, Fungi, Protist (single celled organisms) and Monera (bacteria) Kingdoms. Corn root, l.s., Young root of broad bean, c.s., Teung root of Hydrilla verticillata, l.s., Pumpkin stem, c.s., Pumpkin stem, l.s., Monocot stem, corn, c.s., Dicot stem, sunflower, c.s., Woody dicot stem, linden, c.s., Dicot leaf, c.s., Lower epidermis of broadbean, w.m., showing stoma, Penicillium, w.m., Actinomyces, w.m., Chlamydomonas, w.m., Three types of bacteria, smear, Yeast, w.m., Paramecium, w.m., Hydra, l.s., Mitosis of plant cell, onion root tip, l.s., Pine leaf, c.s., Endosperm of Diospyros, sec. showing plasmodesma, Spirogyra conjugation, w.m., Lichen, sec., Moss antheridia, sec., Moss archegonia, sec., Moss protonema, w.m., Fern leaf, sec., Fern prothallium, s.m., Fern prothallium with young sporophyte, w.m., Germinating pollen of Amaryllis, Lily ovary, sec., Lily anther, sec., Young embryo of shepherd's purse, sec., Old embryo of shepherd's purse, sec., Leaf of winter jasmine, c.s., Volvox, w.m., Aspergillus, w.m., Mushroom, coprinus, sec., Wheat grain embryo, l.s., Paramecia in conjugation, w.Paramecia in fission, w.m., Hydra, c.s. through ovary, Hydra, c.s. through spermary, Hydra with bud, w.m., Leaf of water lily c.s., Sunflower stem l.s., Leaf of celery c.s., Ginko stem c.s., Cotton leaf c.s., Water lily stem cs. (pictured at top), Corn leaf c.s.				
182.	PREPARED SLIDE, Pig embryology set	1	piece		
183.	PREPARED SLIDE, Rat (<i>Rattus norvegicus</i>): Testis for Spermatogenesis T.S.	3	piece		
184.	PREPARED SLIDE, Testis, frog, spermatogenesis, TS	3	piece		
185.	PREPARED SLIDE, The Biology Set includes 19 slides: Blood Smear Reptile, Simple Cuboidal Epithelium Tissue, Smooth Muscle C.S & L.S., Spongy Bone Section, Lymph Node Section, Lung Section, Frog Skin Section, Stomach Fundic Region C.S., Red Bone Marrow Section, Frog Testis Section, Integumentary Tissues, Salivary Glands Composite Section, Brain Composite Section, Escherichia Coli Smear Gram Negative, Cardiac Muscle Striated C.S. & L.S., Compact Bone, Liver Section Hepatic Cells, Digestive System Jejunum Section, Kidney Section	3	set		
186.	PROBE THERMOMETER, For Food Industry, Multipurpose Use, Absolute Maximum Temperature Measurement:	5	piece		

	+275°C, Best Accuracy: ± 0.5 °C, Resolution: 0.1 °C, Length: 215mm, Width: 34mm, Height: 19mm, Temperature Scale: Centigrade, Fahrenheit, Battery Type: AAA, Weight: 80g -with Calibration Certificate				
187.	PROFESSIONAL ASTRONOMICAL MONOCULAR TELESCOPE, Objective lens Objective lens focal length Eyepiece 1Aspherical eyepiece 23mm Eyepiece 2Aspherical eyepiece 10mm Mirror90° mirror Tube material Aluminum alloy Optical structure Refractive Finder Red dot finder Bracket AZ theodolite Coating FMC antireflection film Tripod Stainless steel tripod Color White Features: High strength aluminum alloy material. HD clear and bright imaging. Easy to shoot. Quick installation. Portable and easy to carry. Package included: 1 x Astronomical telescope 1 x Portable storage bag	1	set		
188.	RADIATION CANS, These three aluminum cans have different surface finishes: silver (unpainted), white, and flat black. They are 15 cm high and hold about 350 ml of water. Their large thermal mass ensures good results with both temperature probes and standard glass thermometers. Fill them with cool water and place them outside in the sunlight to investigate the effect of the surface finish on solar heating. Or place them inside filled with hot water to discover Newton's Law of Cooling	10	set		
189.	RAIN GAUGE, Measures up to 5 inches(120 millimetre)of rainfall.It is a must-have rain water measuring device for your garden lawn. The rain measuring device is marked with two scales (120 millimetre and 5 inches) of rainfall and easy to read. A simple rain gauge that has no complicated calibration or electronic set up. It is great for people who likes gardening. Small size, lightweight, easy to carry and storage. Material: Plastic Size:25x4.5x2.7cm	10	piece		
190.	REFRACTOMETER, 0%-32% Brix; Handheld Analog Brix/Sucrose; Accuracy: ± 0.1 °; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x	2	piece		

	39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual				
191.	REFRACTOMETER, 28%-62% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual	2	piece		
192.	REFRACTOMETER, 58%-90% Brix; Handheld Analog Brix/Sucrose; Accuracy: ±0.1°; Height (Metric): 39mm; Increments: 0.1°; Lighting Type: Ambient; Temperature Compensation: Yes; Weight (English): 0.881 lb; Width (English): 1.535 in.; Dimensions (L x W x H): 204 x 39 x 39mm; Sample Volume: 1mL; Temperature Range (Metric): 50° to 86° F (10° to 30° C); Scale Type: Linear; Calibration: Distilled Water; Include: Calibration Screw Driver, Hard Sided Case, Applicator, Calibration Fluid, Manual	2	piece		
193.	REFRACTOMETER, Salinity; Scale Range: Sodium chloride 0.0 to 28.0%; Minimum Scale: Sodium chloride 0.2%; Size & Weight: 3.2×3.4×20.3cm, 105g	2	piece		
194.	REFRIGERATOR, Type: Top Mount; Smart Function: Smart Diagnosis; Capacity, Total Shelf Area: 445/478 (Liters Net/Gross); Defrost System: No Frost; Temperature Control: Electronic; No. of Fresh Food Shelves: 8; Adjustable Door Shelves: 3; Adjustable Fresh Food Shelves: 2; Crisper Shelf: 1; No. of Freezer Shelves: 2; No. of Door Shelves – Fresh Food: 3; No. of Door Shelves – Freezer: 2; Refrigerator Light: Yes; Insulation: Cyclopentane; Power Requirements: 220 V (60Hz); Color: Platinum Silver ; Net Weight (kg): 77; Gross Weight (kg): 87; Net Dimensions (WxHxD): 700mm x 1780mm x 730m; Gross Dimensions (WxHxD): 740mm x 1860mm x 770mm; Inclusion: Ground Wire, Egg Tray, Ice Tray Twist / Ice Box, Handle	4	unit		

195.	REPLACEMENT GLASSTUBES, The Replacement Glass Tubes kit includes two packs of silicone compound lubricant, two glass tubes, and twelve O-rings: two large, two medium, and eight small. The large O-rings are replacements for the ring at the top of the inner glass tube. The medium O-rings are replacements for the ring at the top of the piston rod where it joins the handle. The small O-rings are replacements for the rings on the end of the Compression Igniter piston rod and for the rings on the post that is part of the removable base. The lubricant is for the small O-rings on the piston rod. 2x Inner Glass Tube 8x Small O-ring (3/16") 2x Medium O-ring (1/4") 2x Large O-ring (7/16") 2x Lubricant (Silicone Compound), Packet	20	piece		
196.	RESEALABLE PLASTIC BAG, size: 6.5 x 9.5 in, 100 pcs per pack	3	pack		
197.	RIMLESS CULTURE TUBES, 20 ML, 16x150mm - reusable rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.	220	piece		
198.	RIMLESS CULTURE TUBES, 55ML, 25x150mm – reusable e rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.	240	piece		
199.	RIMLESS CULTURE TUBES, 9 ML 13x100mm - reusable rimless culture tubes offer greater convenience in plugging and rack storage. Walls and bottoms are of uniform thickness. Ends are fire-polished.	220	piece		
200.	RUBBER STOPPER BORER, with different sizes/diameter	1	set		
201	RUBBER STOPPER, Solid black, (# 6 for 250 mL erlenmeyer flasks), 25 mm length. 10 pieces /pack	1	pack		
202.	SALMONELLA CHROMOGEN AGAR SET, Salmonella Chromogen Agar Base (4x29g); Salmonella Chromogen Agar Supplement (4 vials); per set; Provide SDS of the chemical and certificate of analysis. Shelf life should be at least 3 years or longer from date of purchase. After sales provision on certificate of extension of expiry date.	2	bottle		
203.	SAMPLE VIALS, 12 ML, 19x65mm Amber Borosilicate Glass Vial, 15-425mm Thread, Assembled with Black Solid Top Polypropylene Closure PTFE/F217 Lined, 100/pack	4	piece		
204.	SAW MACHINE, Meat Bone Saw Machine; AV SM-100C Meat Band Saw 10" With sliding table, vertical and	1	piece		

	horizontal fence Easy to operate Bandsaw mincer for slicing and cutting at the same time Stainless steel table. Adjustable height Specifications Cutting Capacity: 440 (W) x 200 (H) Motor HP: 1 HP Single Phase				
205.	SCREW CAP CULTURE TUBES, WITH PHENOLIC CAPS, 25ML - 20X125MM,	300	piece		
206.	SCREW CAP CULTURE TUBES, WITH PHENOLIC CAPS, 50ML	350	piece		
207.	SEAM MICROMETER, Minimum Reading (mm): 0.01; Measuring Range (mm): 0~13; Specification: For aluminum cans	2	piece		
208.	SEPARATORY FUNNEL, 125ml	10	piece		
209.	SEPARATORY FUNNEL, 250 mL. Borosilicate type. Height: 311 mm. Pear shaped (Squibb) type with Teflon stopcock. Clear glass body. Highly chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 included.	4	piece		
210.	SEPARATORY FUNNEL, Glass, 500 mL. Borosilicate type. Height: 354 mm. Pear shaped (Squibb) type with Teflon stopcock. Clear glass body. Highly chemical resistant and fully autoclavable. High density linear polyethylene stopper with closed bottom included. Accepts stopcock size 4 included.	19	piece		
211.	SIEVE, standard, Bottom Pan, 8" diameter, stainless steel, full height	1	unit		
212.	SIEVE, standard, No. 200 (0.075 mm, 8" Diameter, Stainless Frame and Cloth)	1	piece		
213.	SIEVE, standard, Pan (Stainless steel with skirt full height)	1	piece		
214.	SLIDE STAINING AND STORAGE SYSTEM, Made of black polyoxymethylene (POM) plastic which is easy-to-clean and resistant to chemicals used in staining procedures. Slide Rack: Holds twenty-five, 25 x 75mm (1 x 3") slides in numbered slots; Has open bottom for rapid draining and a handle so the rack can be lifted to add or remove slides without touching the staining solution; Maximum use temperature is 90°C (194°F) Staining Dish: Capacity: 250mL; only 150mL is needed when using slide rack; provides a savings on staining liquids, developing fluids and intermediates; Tight lid helps minimize spills and evaporation; Lid inside has a built-in slide rest; also provides a compartment for a drying agent; Dish is easy-to-clean; cover will not jam in freezer storage	9	set		

215.	SOIL PH METER, with external electrode, waterproof case and connectors, calibration solutions included accuracy ± 0.07 pH (between 5 and 9 pH)	2	set		
216.	SOLUTION, Bile solution, Salts Mixture - 100g - with MSDS and 3-5 years expiry	2	bottle		
217.	SPATULA, PORCELAIN, WITH SPOONS SET FROM 100MM – 260MM, 0.1ML – 6ML	7	set		
218.	SPECIFIC HEAT SET, This specific heat set has five different materials, all with the same mass (80 g). Each has a hole to tie a loop of string to hang the samples in water. 1x Aluminum 1.25" d x 1.5" h 1x Brass 3/4" d x 1.5" h 1x Stainless Steel 3/4" d x 1.44" h 1x Zinc 3/4" d x 1.58" h 1x Copper 0.625" d x 1.8" h	10	set		
219.	SPREADER, Lazy-L, individually wrapped, sterile (pack of 500)	3	pack		
220.	STAND, for test tubes, REINFORCED PP, 13MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	10	piece		
221.	STAND, for test tubes, REINFORCED PP, 16MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	10	piece		
222.	STAND, for test tubes, REINFORCED PP, 25MM, 18-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	10	piece		
223.	STORAGE BINS, 25-30L Black carbouy	20	piece		
224.	STORAGE RACK, Laboratory Sample Storage Rack, material: cold rolled steel or galvanized steel, 1.0mm or 1.2 thickness. weight capacity: 100kg per layer, customized: style: can be assembled and disassembled easily, size:2200x450x2000mm, customized. 3 to 4 layers.	1	set		
225.	STORAGE TRAY, rectangular, multipurpose plastic, 22.5x16x7 cm	30	piece		
226.	SYRINGE FILTER, Sterile; PES membrane, 0.2 um, 13 mm, 100pcs per pack	2	pack		
227.	TAPE, Strate-Line Autoclave Indicator Tape, 1" x 60yds	65	piece		
228.	TEMPERATURE DATA LOGGER, with Calibration Certificate - PDF reports can be automatically generated without software; Direct USB	2	piece		

	connection. NFC wireless communication is possible; Temperature during transportation of pharmaceuticals, food, precision equipment, and art; Temperature Measurement Range (°C): -35 ~ 70; Minimum Scale (°C): 0.1; Type: 150 days used up; Memories number: 40000; Dimensions, Width W x Depth D x Height H (mm): 44×12×97mm; Mass (g): 45; Battery replacement: Impossible; Measuring Item: temperature				
229.	TEST STRIPS, litmus pH indicator strips universal application (0-14), pack of 100 strips	10	pack		
230.	TEST TUBE BASKET, Constructed of polypropylene; Baskets hold test tubes, centrifuge tubes and bottles; Designed for autoclaving, washing and incubating; Each basket comes with a permanently attached lid. Tapered sides allow baskets of the same size to nest for storage. Slotted to allow complete drainage and circulation of water, air and steam. (6" x 6.6" x 7")	10	piece		
231.	TEST TUBE BASKET, Constructed of polypropylene; Baskets hold test tubes, centrifuge tubes and bottles; Designed for autoclaving, washing and incubating; Each basket comes with a permanently attached lid. Tapered sides allow baskets of the same size to nest for storage. Slotted to allow complete drainage and circulation of water, air and steam. (9" x 9" x 9.4")	10	piece		
232.	TEST TUBE STAND, REINFORCED PP, 13MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	10	piece		
233.	TEST TUBE STAND, REINFORCED PP, 16MM, 31-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	10	piece		
234.	TEST TUBE STAND, REINFORCED PP, 25MM, 18-PLACE, BLUE - Fully autoclavable; Manufactured from durable reinforced polypropylene (PP); Three tiered design holds tubes securely; Sturdy handles facilitate easy transport.	10	piece		
235.	TESTER, Manual Water Pressure Test Pump	15	piece		
236.	THERMAL EXPANSION APPARATUS, students can accurately and easily investigate the expansion of metals with increasing temperature. Brass, copper and aluminum tubes are included so that students can compare the	5	set		

	<p>coefficients of expansion of the different metals. The fluid used to heat the tubes can be water or steam at any temperature. We recommend using our Steam Generator (not included).</p> <p>Each tube has a built in thermistor housed under a short length of insulation which does not affect results but makes the tubes easier to handle when heated.</p> <p>Built-in Digital Gauge: Measure the rod expansion with 0.01 mm resolution</p> <p>Built-in Thermistor: A 10 k thermistor is connected directly to each tube and the temperature can be determined using a digital ohmmeter or Temperature Sensor.</p> <p>Heat with Steam or Water: The fluid used may be steam or water at any temperature.</p> <p>Three Drop-in Metal Tubes: Each tube connects securely onto the rigid base. The other two can be simultaneously mounted on the base for convenient storage</p>				
237.	THERMAL MULTIMETER, 80X60 IR Resolution, 50X38 field of view, 10A max, 600mA min, 600V max, 600mv	1	unit		
238.	<p>THERMOGUN, with Calibration Certificate</p> <p>-The fast and versatile infrared thermometer with 2-point laser marking and 30:1 optics. The surface temperature of smaller objects can be measured at a safe distance. The diameter of the measuring spot is only 36mm at a distance of 1m.</p> <p>Possibility of connecting external temperature probes; Absolute Maximum Temperature Measurement: +400°C; Temperature Scale: Centigrade; Absolute Minimum Temperature Measurement: -30°C; Distance to Spot Ratio: 12:1; Best Accuracy: ±1.5 °C; Emissivity: 0.1 → 1; Resolution: 0.1 °C; Data Storage: Yes; Response Time: 0.5 s; Length: 38mm; Width: 75mm; Height: 190mm; Weight: 200g</p>	3	piece		
239.	<p>THERMO-HYGROMETER, with Calibration Certificate; Suited for monitoring the indoor climate and dew point in greenhouses, storage, museums, laboratories, and in any location where a continuous and reliable monitoring of the humidity is warranted. The device is designed for installation on wall or table surfaces. The capacitance humidity sensor is specially designed for long-term measuring; Dim: (L x;W x H) 40 x 120 x 89 mm; Weight: 168 g; Height: 89 mm; Length: 40 mm; Width: 120 mm; Dew point/mould detector Humidity reading accuracy: 3 RH; Accuracy ± °C: 0.5 °C;</p>	4	piece		

	Humidity reading range (max.): 98 RH; Humidity reading range (min.): 10 RH; Humidity reading accuracy: ± 3 RH; Temperature: 0 to +50 °C; Power supply (details): 9 V battery pack; Humidity reading range: 10 -98 % RH; Power supply: 9 V battery (1x); Max. temperature: +50 °C; Min. temperature: 0 °C				
240.	THERMOMETER, INFRARED - Range: -4 to 930°F / -20 to 500°C; Resolution: 0.2°; Accuracy: $\pm 2^{\circ}\text{C}$ from -20 to 100°C; $\pm 2\%$ from 100 to 500°C; Emissivity: 0.95 fixed; Distance to Spot Size Ratio: 8:1	3	piece		
241.	THERMOMETER, Red Liquid; 12"; Partial Immersion; Dual Scale; -20 To 150 C / 0 To 300 F	15	piece		
242.	THERMOMETER, Stem With Lollipop Head- Range -58°F to 626°F and -50°C to 330°C; Resolutions: 0.1°F or °C; Accuracy: $\pm 0.8^{\circ}\text{F}$ (0.4°C) from 14 to 212°F (-10/100°C); Auto Calibration; Min/Max Memory; Auto Off Feature; Stem length 300 mm	5	piece		
243.	TISSUE, PRECISION WIPES TISSUE WIPERS, 1-ply, are an economical choice for general low-lint cleaning tasks; Soft and absorbent; Anti-static dispensing reduces lint; Coated packaging helps protect wipes from spills (280 pulls per box)	22	box		
244.	TLC DEVELOPING TANK, For Phytochemical Laboratory. The tank's clear sides allow for visual inspection of TLC plates up to 20 x 20 cm size. The top of the tank is ground flat to match the lids and the edges are beveled to remove any sharp edges. The bottoms are ground to provide a flat, level surface. A raised ridge along the inside bottom allows the simultaneous development of two 20 x 20 cm or four 5 x 20 cm plates. A standard lid is included. Inside dimensions (W X D X H): Approximately 27 x 7 x 25 cm.	2	unit		
245.	TLC PLATES, Silica Del F254 Coated Aluminum-Backed TLC Sheets (pack of 100) Analysis Time 20 to 200 min. Disposable Yes For Use With (Application) In-process control in drug synthesis, identity and stability testing of drugs, quality control of pharmaceuticals, food and environmental samples, residue analysis in food and environmental samples Height (English) 0.0011 in. Length (Metric) 20cm No. per Pack 100 Particle Size 10 to 12 μm Pore Volume 0.8mL/g	4	pack		

	Quantity 100/Pack Specific Surface 520m ² /g Width (Metric) 5cm Backing Material Aluminum Excitation Wavelength 254nm Format 5 x 20 Height (Metric) 30µm No. of Samples 10 Particle Size Distribution 5 to 20µm Pore Size 60Å Product Type Classical Silica TLC plate Size (Metric) 5 x 20cm Thickness (Metric) 200µm Sorbent Silica gel 60 F254 (pack of 100)				
246.	TOPLOADER BALANCE, top loading balance with high accuracy and set of calibration weights, 2000g capacity	5	set		
247.	TRAY, Nursing Trays	30	piece		
248.	TRAY, plastic, 12 x 18	10	piece		
249.	TRIANGULAR FILE, 8", laboratory glass triangular file with ergonomic handle	2	piece		
250.	TUBING, latex rubber, 0.3 x 0.5cm 300CM Natural Latex Rubber Band Yellow Specification: Material:Natural Latex Color:Yellow Size:300 x 0.5 x 0.3cm/118 x 0.2 x 0.12""(L x Outside Dia x Inner Dia) Weight:39g	5	piece		
251.	UTILITY TRAY, made of POLYPROPYLENE, 10-1/4" X 6-1/4" X 4-1/8" - Heavy-duty for repeated autoclaving of small instruments and labware; With tapered sides, rounded corners and strong rims; Stackable	5	piece		
252.	UTILITY TRAY, made of POLYPROPYLENE, 12-3/4" X 10-1/8" X 4-1/4" - Heavy-duty for repeated autoclaving of small instruments and labware; With tapered sides, rounded corners and strong rims; Stackable	7	piece		
253.	UTILITY TRAY, stainless- Material : 201 or 304 stainless steel; Dimension (L x W x H) : 21.5cm x 31.5cm x 1.5cm); Seamless; Finish : Polished	10	piece		
254.	VACUUM DESICCATOR, plastic	3	piece		
255.	VACUUM GAUGE, 30" to 0 psig, 1/4" NPT CBM, 2" dia, SS; with 316 stainless steel wetted surfaces.	2	piece		
256.	VACUUM GAUGE, 30" to 0 psig, 1/8" NPT CBM, 2" dia, SS; with 316 stainless steel wetted surfaces.	2	piece		
257.	WATCH GLASS, 80mm ribbed	20	piece		
258.	WEIGHING SCALE, Digital Table Top ; Capacity: 30 kg; With Calibration Certificate; Graduation: 0.001 kg;	4	piece		

	Weighing, Checking, Counting and Animal Weighing Function, Tri-Color Check result backlight indication, Configurable keypad and check buzzer, Add-Tare-Memory (ATM) and Remove-Tare-Memory (RTM) function, Auto, Preset, Repeatitive and Continuous Tare function; Weight and Quantity check mode, Result Check Control for, Accumulation, Data Printout and Data Output, Keypad Lock function; Battery protection circuits, Real time clock, Full Numeric Keypad; RS-232 Bi-directional communication with PC, Display: 6 x 31 mm HTN Bold Type Wide Angle LCD Numeric Digits, Weighing Units: kg / g / lb; Power Source: Built-in Rechargeable Battery = 6V, 4AH; Switching Power Supply = DC 12V, 1A, Platter: 210 x 250 mm ABS Platter with Stainless Steel Insert				
259.	WEIGHING SCALE, Platform; Capacity: 300 kg; with Calibration Certificate; Graduation / Readability: 0.01 kg; Platform Size: 500 mm x 600 mm Function Modes = Weighing, Piece Count and Animal Weighing Mode Check Mode: with synchronized Tri-Color Backlight Indication & Buzzer, Add-Tare-Memory (ATM) & Remove-Tare-Memory (RTM) Function provides Easy Commodity Sorting and Checking Operation; Peak Measuring Mode, Auto & Pre-set Tare Function; Product Code and Costumer Code Registration and Printing; Keyboard Lock Function, Display Indication: Zero, Gross, Net, Weighing Range, Memory & Battery Level & Recharge Indicators; Connection with Computer, External Remote Display, Ticket Printer & Label Printer, Can set Machine Number (0000~9999) and Group Number (00~99), Can be interfaced with Serial Bar-code scanner to enter product code and Full numeric keypad	2	piece		
260.	WIRE RACK, For transporting bags in upright position; Plastic coated; Double grid design; Racks have a second grid 1” below the top to keep bags upright.; 12-Compartment Rack; 10 1/2" x 11 1/2" x 3 1/4"	7	piece		
261.	WIRE RACK, For transporting bags in upright position; Plastic coated; Double grid design; Racks have a second grid 1” below the top to keep bags upright.; 15-Compartment Rack; 9 1/4" x 6 3/4" x 3"	7	piece		
Aggregate Total Bid Amount					

[*Signature*]
[Name of Authorized Signatory]
[*Position/Title of Authorized Signatory*]