

Republic of the Philippines Department of Agriculture BUREAU OF SOILS AND WATER MANAGEMENT

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BSWM-BIDS AND AWARDS COMMITTEE SUPPLEMENTAL BID BULLETIN NO. 1

CONTRACT: Procurement of 1 unit of Mobile Soil Laboratory for CY 2023- IB NO: BSWM-2023-10-060

This Addendum is being issued in accordance with Section 22.5.2 of the IRR of RA 9184, to clarify and modify some provisions of the Bidding Document. THIS SHALL FORM AN INTEGRAL PART OF THE BID **DOCUMENT.** Likewise, the succeeding agreements and reminders were discussed during the Pre-Bid Conference held last October 27, 2023 at the BSWM Convention Hall and via Videoconferencing-Zoom.

AMENDMENTS ON THE BIDDING DOCUMENT:

ORIGINAL/ CLARIFICATION/s	AMENDED/AGREEMENTS
Section II. Instructions to Bidders- Clause 5:	Section II. Instructions to Bidders- Clause 5:
SLCC:	SLCC:
To allow aggregated contracts.	Aggregated Contracts is not allowed. The SLCC criterion is required in order to ensure that the government is contracting with an entity that has accomplished at least one project with a value no less than fifty percent (50%) of the contract to be bid. This assures the government that the bidder has sufficient experience and reliable track record or it is not the first time that the prospective bidder will be required to accomplish such an undertaking, and therefore, provides the government a level of security that such bidder, if awarded the contract, will be able to satisfactorily fulfill the contract requirements.
ABC: PhP 43,000,000.00	ABC for Vehicle including installation and customization of various equipment and supplies under Component I is PhP 13,000,000.00 ABC for various Technical and Scientific equipment under Component II is PhP 30,000,000.00
	Note: Bids received in excess of the above ABC shall be automatically rated failed.

In case of foreign bidders, please refer to Section 23.4.1.2 of RA 9184 which states that:

Foreign bidders may be eligible to participate under any of the following circumstances in accordance with the guidelines issued by the GPPB:

- a) When provided for under any Treaty or International or Executive Agreement as provided in Section 4 of the Act and this IRR;
- b) When the foreign supplier is a citizen, corporation or association of a country, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations or associations of the Philippines;
- c) When the goods sought to be procured are not available from local suppliers; or
- d) When there is a need to prevent situations that defeat competition or restrain trade

Please refer to Appendix 9 of RA 9184 for Guidelines in the determination of Eligibility of Foreign Suppliers, Contractors, And Consultants to Participate in Government Procurement Projects.

Since the End-User conducted a market study, and there were available bidders/suppliers locally, Foreign Bidders is not allowed.

	Registration of LTO (to be registered as government
	vehicle)
	With insurance coverage:
	Vehicle- at least 3 years
D	4 - 542

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All technical and scientific equipment- at least 3 years
Please see attached Section VII. Revised Technical
Specification as Annex A.

REMINDERS DURING THE PRE-BID CONFERENCE:

o GPPB Resolution No. 15-2021 dated October 14, 2021

For the purpose of updating the Certificate of Registration and Membership, all Class "A" eligibility documents mentioned in Section 8.5, supporting the veracity, authenticity and validity of the Certificate SHALL remain current and updated. The failure by the prospective bidder to update its Certificate with the current and updated Class "A" eligibility documents shall result in the automatic suspension of the validity of its Certificate until such time that all of the expired Class "A" eligibility documents has been updated.

Note: Please refer to the bidding document for the updated Section IX. Checklist of Technical and Financial Documents.

 Bidding will be conducted through open competitive bidding procedures using a nondiscretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act"

"Any lacking documents can cause the automatic disqualification of bids."

- Original duly signed Omnibus Sworn Statement (OSS); and <u>if applicable</u>, 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;
- Below are the acceptable forms of bid security that bidders may opt to use, which shall include the Bid Securing Declaration. The amount of which shall not be less than the required percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Not less than the required Percentage of the ABC)
Cash or cashier's/manager's check issued by a Universal or Commercial Bank.	Two percent (2%)
Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	Two percent (2%)
Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (5%)
Bid Securing Declaration (Signed and Notarized)	

NOTE: Bidders SHALL use ATTACHED template of Bid Securing Declaration in the bidding document.

Other forms of Bid Securing Declaration will NOT BE ACCEPTED and SHALL BE RATED "FAILED".

Net Financial Contracting Capacity (NFCC):

The computation of a prospective bidder's NFCC must be at least equal to the ABC to be bid or, for procurement by lot, at least equal to the sum of all the ABCs of lots to which it participated.

NFCC= Current assets minus current liabilities multiplied by 15 (constant factor) minus the value of all outstanding or uncompleted portions of on-going contracts, including awarded contract/s yet to be started, coinciding with the contract to be bid.

- o Sealing and marking of bid proposal- The bidder shall submit:
 - 1. One (1) ORIGINAL COPY.
 - 2. One (1) DUPLICATE COPY.
 - 3. One (1) PDF COPY in a USB to be placed inside the Duplicate Copy of Technical Proposal and Duplicate Copy of Financial Proposal.

NOTE:

All photocopied documents must be stamped and signed "Certified True Copy". And all pages/documents must be duly signed by the authorized representative (both original and duplicate copies).

For easy reference, all bidders are requested to provide dog-ear codes/ tabs in the presentation of their documents.

Reminders:

- ✓ Bidders' responsibility to read, study, and review the Bidding Document and Bid Bulletin/s of the procurement project.
- ✓ Further clarification/s on the Bidding Document shall be in writing and must be submitted 10 days before the Opening of Bids.
- ✓ All bidders who wish to join the bidding shall download the attached document from PhilGEPS website to be included in the Document Request List (DRL).
- ✓ Bidders may download the updated Bidding Forms at GPPB Website (https://www.gppb.gov.ph/downloadables.php).
- ✓ Authorization letter and a copy of company ID shall be presented by the Representative of the Bidder who will submit the bid proposal and who will attend the Opening of Bids, on-site or online.
- ✓ In case of withdrawal of submitted bid, a letter stating their intention to withdraw from the project should be submitted by the bidder not later than the scheduled deadline of submission and opening of bids.
- ✓ Bidders declared to have the Lowest/ Single Calculated Bid will be subject for postqualification.
- ✓ Bidder shall submit the additional requirements listed on the NOTICE as LCB/ SCB within five (5) calendar days from receipt of Notice. *Non-compliance can be grounds for post-disqualification.*

A complete set of **Bidding Document** may be acquired by interested Bidders until **November 13, 2023, 3:00PM** from the address and website.

DEADLINE/SCHEDULE OF SUBMISSION AND OPENING OF BIDS:

Deadline of submission of bid proposals is on November 14, 2023, 9:00AM.

Opening of Bids is on November 14, 2023, 9:30AM at BSWM Convention Hall and via videoconferencing

For guidance and information of all concerned.

(Sgd)DENISE A. SOLANO BAC Chairperson





Technical Specifications

Item	Specification	Statement of Compliance

[Bidders must state here 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 Bidder's 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 applicable laws and issuances.]

Item No.	Item Description	Quantity	Statement of Compliance
1	Supply, Delivery, Modification of vehicle and Installation of equipment		
1	for Mobile Soils Laboratory		
	Component I. Commissioning and modification of vehicle to house the		
	required instruments, equipment, and other accessories.		
	A) Vehicle Specifications:	1	
	10-wheeler truck, manual transmission, airconditioned		
	Range Power: minimum 280 bhp (brake horse power)		
	RPM Range: minimum 2400 rpm (revolution per minute)		
	Fuel Type: Diesel		
	Displacement: minimum 7790 cc (cubic centimeters)		
	Torque: maximum 882 Nm (Newton-meter)		
	Gross Weight range: minimum of 26000 Kg (kilogram)		
	Verification: brochure and/or datasheet specifications		
	Overall Height: maximum of 2940 mm / 9.64 ft		
	Overall Length: minimum 11900 mm / 39.04 ft		
	Payload: minimum 18995 kg, inclusive of trailer		
	Tire: 11R22.5-16PR		
	Wheelbase: minimum 7195 mm / 23.60 ft		
	Engine: 6 Cylinder, In-line, Common-Rail Direct Injection, Blue Power Diesel Engine		
	Rear Body Length: minimum 9754 mm / 32 ft.		
	Inclusive of spare tires (4 pcs) and early warning device		
	Inclusive of vehicle specification plate, engraved		
	Inclusive of Tools for repair:		
	Toolbox, crescent wrenches, vehicle jack, combination wrenches, pliers, vice		
	grips, wire cutter and electrical tape, ratcheting screwdriver set, 3-lb		
	sledgehammer, tire air pressure gauge, flashlights, metal dowel rod, truck trip		
	inspection tool, safety glasses, gloves, crowbar, fuses		
	B) Customization specifications:		
	provision and installation of furnitures, fixtures, and other accessories		
	electrical works, inclusive of convenience outlet, lighting		
	Provision for sample storage cabinet, stainless steel, laminated		
	Office and ICT equipment:		
	Office table (2)- furniture to add antivibration mechanisms /foam cushion		
	capable of withstanding vibration during travel		
	chairs (4)- leather, ergonomic, with seatbelt, embedded / detatchable to		
	mobile vehicle		
	Stool (2) - stainless, leather cushion		
	Laptop (1)-		
	Processor: i5-13th Gen / R5		
	Zen3+(RDNA2 based)		
	Storage: at least 500GB M.2 PCIe		
	NVMe SSD	From	
	Memory: at least 16GB, DDR4	GSITD	
	(upgradable)	USITU	
	Screen size: at least 15.6-inch		
	Display Type: IPS		
l	Operating System: Windows 10/11	<u> </u>	

1	Due	l	1
	Pro MS Office: Microsoft Office 2021		
	(license)		
	Laboratory Housing Specifications:		
	Length: minimum 32.80 ft / 10000 mm		
	Width: minimum 6.56 ft / 2000 mm		
	Height: minimum 6.56 ft / 2000 mm		
	Three (3) main sections:		
	1) Soil and Water Analysis Section: min 3.33m x 2.0m x 2.0m (lxwxh)		
	2) Soil Physical Analysis Section: min 3.33m x 2.0m x 2.0m (lxwxh)		
	3) Soil Microbiological Analysis Section: min 3.33m x 2.0m x 2.0m (lxwxh)		
	list of equipment per section is listed below		
	Laboratory fixtures:	QTY	
	Standard Laboratory Sink, Stainless steel	3	
	Water Tank, 300 - 500 Liters, stainless steel	1	
	Water suction line with water purifier	1	
	Waste Water Reservoir- 70 L, Either PTFE / PEEK	1	
	Windows, awning, aluminum frame with glass	3	
	doors		
	-side door (1 swing)		
	-rear door (2 swing)	2	
	provision of collapsible stairs		
	Exhaust fan	2	
	Stainless or Vinyl Flooring, with anti-slippage mechanism	_	
	Lockable overhead cabinets on either sides, with shelves	6	
	Laboratory tables, chemical resistant tabletop, with drawers and cabinets,		
	antivibration mechanisms /foam cushion capable of withstanding	6	
	vibration during travel v	l	
	Aircon (2 HP) split type	2	
	Aluminum composite 3mm - outside and Inside wall , Wall insulation (2")		
	chemical and thermal resistant (lot)	1	
	C) Standard inclusions and accessories:		
	truck stabilizer leg (4-legs) with a capacity of at least 2-4 tonnes per leg -		
	Manual (hydraulic)	1	
	Rear and front Camera with storage memory card		
	(min of 512 GB)	2	
	CCTV Surveillance System		
	Monitors entrances, exits, and laboratory area;		
	At least 2 units of camera, true IP 66 camera, 1080p or higher resolution, 15		
	frames per second or greater;		
	Includes centralized recording solution with Video Management Software and	1	
	Network Video Recorder		
	structured cabling for intranet and internet		
	Scope of work includes installation, testing, and maintenance of CCTV system		
	Wireless Prepaid Wifi Router	2	
	2.4 & 5.0 Ghz dual band Wifi- Network Type: 3G and 4G LAN port : 4 LAN port		
	With 2 Antenna for stable data transmission No installation, just plug and surf		
	Connect up to 10 devices		
	CO2 Fire extinguisher	3	
	Specification:	3	
	Classification: C		
	Approximate Weight - 5 lb.		
	Dry Chemical Fire Extinguisher	3	
	Specification:	3	
	Classification: 40B:C		
Ī	Approximate Weight - 5 lb.		
	Power Source:		
	1. Generator - 6-15 kVA, diesel engine		
Ī	movable, can be pulled-out during operation and isolate from main body to		
Ī	avoid vibration on sensitive equipment		
	2. AC (Alternating Current) Power Source - 220-240V, 60Hz		
	3. Solar Panel (alternative power source) at least 6KVA, Hybrid System		
	Transfer Switch Electrical Distribution System Registration of LTO (to be registered as government vehicle) and insurance		
	(3 years) inclusive of the following:		
	Commercial invoice or original sales invoice from the country of origin		
	Original sales invoice of body		
	Appropriate COC (Certificate of Coverage)		
	Certified True Copy of DTI-BIS endorsement		
1	Original Affidavit of Rebuilt executed by the owner and/or mechanic with the		
	TESDA NC 11 stating, among others, the date of completion		
1	Original CSR for engine and chassis		
1	Original PNP-HPG MV Clearance Certificate		
	MVIR (Motor Vehicle Inspection Report)		
	CCES (Certificate of Compliance to Emission Standard)		
	customization of label, design and finish of the mobile soils laboratory		
	according to the DA Branding/ BSWM- NSHP Branding (to be provided by the		
1			
Ĩ	End-User during contract implementation)		
	End-User during contract implementation) D) After sales services specifications:		

Component II. Provision of laboratory instruments and technical and	1	
scientific equipment	1	
Laboratory Equipment List:	Qty	
A) Soil and Water Analysis		
pH Meter (Refillable)	2	
Specifications:		
pH Range: 0 to 14.00 pH Accuracy: ±0.002 pH		
Integral Electrode Holder & 100/240 VAC Adapter		
Power Requirements: 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)		
Has the ff accessories:pH Electrodes (Refillable), ATC probe		
4, 7, 10 pH buffer standards		
Conductivity Meter	2	
Specifications:		
Range: 0.050 μS to 500.0 mS		
Accuracy: ±1 % full scale Resolution: 0.1 °C / 0.1 °F		
Compensation: ATC / MTC		
Power Requirements: 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)		
Has the ff accessories:EC Electrodes (Refillable), ATC probe		
Power Requirements: 220-240 V, 60Hz		
Reciprocating Shaker	1	
Specifications:		
Operating Speed: Variable speed 60 – 260 osc/min		
Stroke: 1.5" Horizontal		
Timer: 1min - 19h 59min		
Type of mounting: Benchtop, Suction cup feet to prevent creeping Payload: min 20 kg		
Payload: min 20 kg Power: 230V, 60Hz		
Includes: Utility box carrier with anti-slide surface and one (1) rubber coated		
crossbar is available to hold various combinations of beakers, flasks, etc		
Power Requirements: 220-240 V, 60Hz	Î	
UV-Vis Spectrophotometer w/ laptop and printer	1	
Specifications:		
Photometric System – Double beam with rear beam access		
Monochromator – Double monochromator		
Source – Xe Lamp / Tungsten -D2 Lamp Wavelength Range – 190-1100 nm		
Detectors – Silicon photodiode detectors for simultaneous measurement of all		
channels		
Wavelength accuracy (nm) ± 0.2		
Wavelength reproducibility (nm) < 0.025 Limiting Resolution – 0.1nm		
Spectral bandwidth 0.1 to 5 nm at 0.01 nm		
Data collection rate 250 data points per second		
Simultaneous determination on multiple wavelengths		
Unit with sipper (5 extra tubings), 5 extra quartz cuvettes, with laptop, 2KVA		
AVR, printer, UV workstation software compatible with equipment, and		
complete genuine office and OS		
Interchangeable between sipper and cuvette type Power Requirements: 220-240 V, 60Hz		
Laptop specifications:	1	
Processor: i5-13th Gen / R5	1	
Zen3+(RDNA2 based)		
Storage: at least 500GB M.2 PCIe		
NVMe SSD		
Memory: at least 8GB, DDR4		
(upgradable) Screen size: at least 15.6-inch		
Display Type: IPS		
Operating System: Windows 10/11		
Pro		
MS Office: Microsoft Office 2021		
(license)		
Printer specifications: Can print up to Legal size (8.5 x 14 in), color, black	1	
Can copy and scan up to A4 size, color, black		
Has wireless capability		
Has mobile printing capability		
Print speed: Black - up to 8 ppm; Color - up to 5 ppm		
Print quality: Black - up to 1200 x 1200 dpi; Color - up to 4800 x 1200 dpi		
Copy speed: Black - up to 5 cpm; Color - up to 3 cpm Copy resolution: up to 300 x 300 dpi		
Scan resolution: up to 300 x 300 dpi		
Paper handling: Input - up to 60 sheets; Output - up to 25 sheets		

	Connectivity: Hi-speed USB; Built-in WiFi 802.11 b/g/n		I
	200 - 240 VAC"		
	Single Channel Pipetors	4	
	Specifications:		
	Chemically resistant, Fully Autoclavable Volume Adjustable, interchangeable, easy-grip ejector		
	with carousel, 1000 pipette tips per unit		
	Volumes:		
	1000-10,000 μl		
	1000-5000 µl		
	100-1000 µl 10-100 µl		
	Bottle Top Dispenser (100 mL)	1	
	Specifications:		
	Capacity: 10-100 mL		
	Subdivision: 10 mL		
	with container bottle (2.5 L) and adapters		
	with recirculation and discharge valve	2	
	Bottle Top Dispenser (50 mL) Specifications:		
	Capacity: 10-50 mL		
	Subdivision: 5.0 mL		
	with container bottle (2.5 L) and adapters		
	with recirculation and discharge valve		
	Centrifuge	1	
	Specifications:		
	Accuracy: 0.05 Timer: up to 99min		
	Power Consumption (Temperature): 500W		
	Highest Speed, Rpm (Revolutions): 5000	1	
,	Max Rcf, G (Temperature): 4620		
	Setting Type (Revolutions): Variable		
	Power Needed, VAC (Energy): 100		
	Tube Sizes (Rotors Offered): 100 mL		
	Rotor capacity: 8 x 100 mL tubes		
	Overall Capacity, Ml: 1000 With centrifuge tube: 100 mL (30 pcs)		
	Block Digester with Scrubber	1	
	Sample positions: Interchangeable between 20 pcs (250 mL) and 40 pcs (100		
	mL)		
	Maximum Temperature (in °C): 430		
	Digestion vessel size (in ml): 100 & 250		
	Maximum Power consumption (in W): 1100 Non-corrosive casing		
	With digestion programs (minimum 100) with auto lift feature		
	Accessories:		
	Round bottom digestion vessel, 100 ml for micro-Kjeldahl, 40 pcs; 250 mL for		
	20 pcs		
	Adaptor for interchangeable block digester (20 placer and 40 placer)		
	Kjeldahl Neutralizer (extraction system/scrubber) Nitrogen Distillation Unit	1	
	Specifications:	1	
	Measuring range: 0.1-200mg nitrogen		
	Recovery is greater than 99.5% at Nitrogen (N) levels between 1 and 200mg		
	Distillation time: 3-4 min at 30mg N (6.5 min at 200mg N)		
	Distillation capacity: approx 40mL/min		
	Self-adjusting cooling water control With Voltage Regulator		
	Power Requirements: 220-240 V, 60Hz		
	Atomic Absorption Spectroscopy with Laptop	1	
	Wavelength range: 185.0 to 900.0 nm		
	Monochromator: Aberration-corrected Czerny-Turner mounting, Number of		
	grating grooves: 1600-1800 lines / mm, Focal length: 330 mm		
	Detector: Photomultiplier tube		
	Optics: Optical double-beam Background correction method: BGC-D2 (D2 lamp method) (185.0 to 430.0		
	nm)		
	Number of turret: at least 8		
	Lamp mode: EMISSION, NON-BGC, BGC-D2		
	Measurement mode: Flame continuous method, flame emission method, flame		
	absorption method		
	Simultaneous determination on multiple wavelengths Standard Accessories:		
	Autosampler - at least 100 samples		
	Sampling Kit		
	Compressor - Silent Type Nebulizer setup		

Fume Hood / Canopy Hood Laptop Instrument Grade with Acetylene Gas with tank (3) with Gas Cage Deuterium Lamp - 3 pcs Hallow Cathode Lamp (2 per element) : Na, Ca, Mg, K, Fe, Cu, Mn, Zn Power Requirements: 220-240 V, 60Hz Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based) Storage: at least 500GB M.2 PCIe	
Instrument Grade with Acetylene Gas with tank (3) with Gas Cage Deuterium Lamp - 3 pcs Hallow Cathode Lamp (2 per element) : Na, Ca, Mg, K, Fe, Cu, Mn, Zn Power Requirements: 220-240 V, 60Hz Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Instrument Grade with Acetylene Gas with tank (3) with Gas Cage Deuterium Lamp - 3 pcs Hallow Cathode Lamp (2 per element) : Na, Ca, Mg, K, Fe, Cu, Mn, Zn Power Requirements: 220-240 V, 60Hz Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Deuterium Lamp - 3 pcs Hallow Cathode Lamp (2 per element) : Na, Ca, Mg, K, Fe, Cu, Mn, Zn Power Requirements: 220-240 V, 60Hz Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Hallow Cathode Lamp (2 per element): Na, Ca, Mg, K, Fe, Cu, Mn, Zn Power Requirements: 220-240 V, 60Hz Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Power Requirements: 220-240 V, 60Hz Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Laptop specifications: Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Processor: i5-13th Gen / R5 Zen3+(RDNA2 based)	
Zen3+(RDNA2 based)	
Storage: at least 500GB M.2 PCIe	
NVMe SSD	
Memory: at least 16GB, DDR4	
(upgradable)	
Screen size: at least 15.6-inch	
Display Type: IPS	
Operating System: Windows 10/11	
Pro	
MS Office: Microsoft Office 2021	
(license)	
Water Deionizer (Type I and II)	
Produces both ASTM Type 1 and Type 2.	
Water Purification System, with Pretreatment (min volume 200L) and	
Reservoir tank (30 mL)	
Optimized RO Cartridges – 16 LPH	
i v	
Standard Accessories:	
main system unit	
30 L reservoir with recirculation pump, CO2 vent filter and sterile overflow	
hand dispenser kit with 3 meter cord and 0.2 micron final filter	
wall bracket accessory	
pressure gages and reducing valve	
prefilter, hardness stabilizer cartridge and carbon prefilter	
reverse osmosis cartridge	
polishing DI cartridge	
Ultraviolet lamp	
inline ultrafilter	
0.1 m polysulfone membrane filter	
2 pcs - 1 um prefilter	
2 pcs - hardness stabilizer	
2 pcs - carbon cartridge	
2 pcs - RO cartridge	
2 pcs - Ultrapure cartridge	
2 pcs - sterile 0.1 um filter for system	
2 pcs - CO2 Vent filter	
Digital Titrator 2	
Specifications:	
Nominal Volume: 50 mL	
Accuracy in % (±): 0.06%	
Coefficient of variation (%): 0.02 %	
PC interface: RS232	
Accessories:	
telescoping filling tube	
recirculation tube	
batteries	
3 PP bottle adapters (GL 45/32, GL 45/S 40, GL 32/NS 29/32)	
Power Requirements: 220-240 V, 60Hz	
Fume Hood, Ducted 1	
Specifications:	
24" to 32" in width (Overall Size); Work Surface Height: 900mm - 1000mm	
Air Velocity: 0.4~0.6m/s	
2 units Fluorescent Lamp: 14W	
Blower: Built-in centrifugal blower, speed adjustable	
Front Window: Acrylic window; Manual; Reversal design	
With monitoring display for flow rate	
with scrubber	
Power Requirements: 220-240 V, 60Hz	
Specifications:	
Materials of the grinding tools: hardened steel	
Min. sample quantity: 40 - 50 ml	
Max. throughput: approx. 80 L/h	
Rotor speed: minimum 4,000 rpm	
Electrical Details: 200-240 V/1~, 50/60 Hz, 1500 Watt	
Prevents cross contamination, with sieve inlets for >/ = 2mm samples	
Standard Accessories:	
"Bottom sieves made of stainless steel 316L	
0.5 mm trapezoidal perforation"	
2 mm trapezoidal perforation	
universal support stand	
silent type vacuum cleaner with complete tubings for easy clean up of the unit	

Specifications: Specifications: Specifications: Specifications: Specifications: Specifications: Power Requirements: 220-240 V, 6018 Laboratory Refrigeratory (General Use) Temperature Nangez 2-8°C Capacity Maximum 200 L Sertigerant: R13-44, GPC free (R600a optional) Defrost Methods No frost Cooling Types Forered air cooling Power 13, 50 W, Power Supply: 2007, 501,66012 Magnetic Stirrer/Hor Plare (Dual) Specifications: Specific				
Benchtop style: mass speed: approx 4500rpm Extract approx 20-2516 orders per day to maintain humidity below 50% Automatic defrost system Power Requirements: 220-240 V, 60112 Laboratory Refrigerator (General Use) Specifications approx 2-967 Caparty: Massimum 200 1. Refrigerator att 3146, CPC (Free (R000a optional)) Defrost Method: No Frost Coning Type Forced air cooling Power 135 W; Power Supply: 220V, 30(6014) Magnetic Striver/Hor Plate (Dunal) Specifications: Magnetic Striver/Hor Plate (Dunal) Specifications: Motor rating output: 9 W Speed range: 50 - 1500 rpm Tropperature setting range; 0- 500 °C Heat and stirving control: Torving hosh Power Requirements: 220-240 V, 60112 Top Loading Balance Specifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Automatic Transportation: 10 - 30 Operating Automatic Transportation: 10 - 30 Operating Automatic Automatic College (School) Vortex Magnetic Striper (Dula) Vortex Misser Specifications: Construction materials zinc alloy and technopolymer Support system: 4 anti-silling feet or equivalent Orbital diameter: 4.5 and massing the support system: 4 anti-silling feet or equivalent Orbital diameter: 4.5 and massing the support system: 4 anti-silling feet or equivalent Orbital diameter: 4.5 and massing the support system: 4 anti-silling feet or equivalent Orbital diameter: 4.5 and massing feet or equivalent Orbita			2	
Benchtop style: mass speed approx 4500 pm Extract approx. 20-251.6 where per day to maintain humidity below 50% Automatic defrost system Power Requirements: 220 240 V, 60112 Laboratory Refrigerator (General Use) Specifications appra 2-96 Capacity, Maximum 200 L Refrigerator 18 1340, CPC free (R0000 optional) Defrost Method: No frost Cooling Types Forced air cooling Power: 135 W; Power Supply: 220V, 5160 Hz Magnetic Striery/Hor Plate (Dunal) Specificationse Motor rating output: 9 W Specif range; 50 - 1500 rpm Motor rating output: 9 W Specificationse Motor rating output: 9 W Specificationse Specificationse Horour Striery (Hor Plate (Dunal) Specificationse Specificationse Specificationse Specificationse Specificationse Lapacity: 620 pm Down Regularements: 220 40, 601Hz Top Loading Balance 1 Specificationse Lapacity: 620 pm Linearity: 0.02	Sr	pecifications:		
Ferrar approve 28–25 in of water per day to maintain humidity below 50% Automatic defrost system Fower Requirements 220-240 V, 60Hz Laboratory Refrigerator (General lise) Specifications: I				
Automatic defrost system Power Requirements: 220:240 V, 601f2 Laboratory Refrigerator (General lise) Spefifications: Lemperature Runge; 2-8°C Capadry, Machinum; 2001. Defrost Method: No Frost Collular Type Forced air cooling Power: 135 W; Fower Supply: 220V. 50/601f2 Augustic Sittery Hot Plate (Dual) Spefifications: More rating outputs 9W Speed range; 50 - 1500 rpm Lined output: 1000 W Speed range; 50 - 1500 rpm Lined output: 1000 W Speed range; 50 - 1500 rpm Lined output: 1000 W Speed range; 50 - 1500 rpm Lined output: 1000 W Temperature setting; canol: Turning lanch Nower Requirements: 220:240 V, 60Hz Typ Loading Balance Speedifications: Capacity: 600g Readability and Repeatability: 0.01g Linearity; 0.02g Operating, Ambient Temperature: 10 - 30 Power requirement: Ac adaptor (Dc12V, IA) Linearity; 0.02g Operating, Ambient Temperature: 10 - 30 Power requirements: 200 V, 60Hz Speedifications: Construction material: zinc alloy and technopolymer Support systems: 4 anti-siding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Livuer Requirements: 220 - 240 V, 60Hz Analytical Balance Capacity: 220 g Minimum Styley, 0.1 mg Operating modes: touch, continuous Livuer Requirements: 220 - 240 V, 60Hz Analytical Balance Capacity: 220 g Minimum Styley, 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Cofficient Sustainity (ppm/CL; 22ppm/Clos condensation) Fower requirement: 12V, 1A Il soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptory Power Requirements: 220 - 240 V, 60Hz Analytical Balance Capacity: 220 g Minimum Styley, 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Cofficient Sustainity (ppm/CL; 22ppm/Clos condensation) Fower requirement: 12V, 1A Il soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptory Laptory Systems: No Look Part College Software Flash Drive, Instruction Manual Software Againstone Control by 10 20 independent units Simultaneously. Power Requirem				
Prover Requirements: 2-20-240 V, 60Hz Laboratory Refrigerator (Decembal Use) Specifications: Interpretative Ronge: 2-0°C Capacity, Maximum 200 I. Kering-rout Ridge: 2-0°C Capacity, Maximum 200 II. Kering-rout Ridge: 200 Interpretation of the State of State o				
Laboratory Refrigerator (General Use) Specifications: Temperature Range 2-8°C Capacity, Maximum 200 L Refrigerant: 8134a, CRG free [Ro00a optional] Derrox Method: No frost Cooling Type Porced air cooling Power: 153 W Flower Supply: 220V, 50/50/16/c Magnetic Sturrey Prior Plane (Doal) Town 153 W Flower Supply: 220V, 50/50/16/c Magnetic Sturrey Prior Plane (Doal) Town 150 W Flower Supply: 220V, 50/50/16/c Magnetic Sturrey Prior Plane (Doal) Town 150 W Flower Supply: 220V, 50/50/16/c Regular Supply: 220V, 50/50/c Regular Supply: 220V, 50/50	A	automatic defrost system		
Laboratory Refrigerator (General Use) Specifications: Temperature Range 2-8°C Capacity, Maximum 200 L Refrigerant: 8134a, CRG free [Ro00a optional] Derrox Method: No frost Cooling Type Porced air cooling Power: 153 W Flower Supply: 220V, 50/50/16/c Magnetic Sturrey Prior Plane (Doal) Town 153 W Flower Supply: 220V, 50/50/16/c Magnetic Sturrey Prior Plane (Doal) Town 150 W Flower Supply: 220V, 50/50/16/c Magnetic Sturrey Prior Plane (Doal) Town 150 W Flower Supply: 220V, 50/50/16/c Regular Supply: 220V, 50/50/c Regular Supply: 220V, 50/50				
Specifications: Temperature Range 2-8°C Capacity: Maximum 2001. Refrigerant R134a, CPC free (R600a optional) Defrost Method. No frost Cooling Type: Forced air cooling Power, 135 W; Power Supply; 2209, 50/601z Magnetic Striery (Hor Hate (Duil) Specifications: More ratios Surrey (Hor Hate (Duil) Specifications: More ratios group 19 W Temperature Setting range: 0 - 500 °C Heat and stirring control Turning knob Power Requirements; 220-240 V, 601tz Top Loading Balance Specifications: Capacity: 620g Read-oblity: 0.01g Limarity: 0.02g Read-oblity: 0.01g Limarity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (Dc12V, 1A) Power Requirements: 220-240 V, 601tz Vortex Mixer Specification material: sin: alloy and technopolymer Construction material: sin: alloy and technopolymer Construction material: sin: alloy and technopolymer Operating modes touch, continuous Power Requirements: 220-240 V, 601tz Analytical Balance Specifications: Capacity: 220 g Maximum Display: 0.1 mg Operating modes touch, continuous Power Requirements: 220-240 V, 601tz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Pemperature Coofficient Sensitivity (ppm/C): 22ppm/°C(no condensation) Power Requirements: 220-240 V, 601tz Automated Saturated Hydraulic Conductivity System (2 station) with 1 Automated Saturated Hydraulic Conductivity System (2 station) with 1 Automated Saturated Hydraulic Conductivity System (2 station) remained saturated Saturated Hydraulic Conductivity System (2 station) Sample Bing Isadic Cross Sectional Area: 20.67 cm2 Reserved Yolume; 320-1000 ml. Pressure Pracision Transducer Ranges (100 kHz to +100 kHz Pressure Pracision Transducer comes w/ Micro USR cable, Analog Ribbon Connected Cable, Software Plash Drive, Instruction Manual Software Applications can control up to 201 independent units simultaneously- provision for main water reservoir (min capacity): 10,1 with accessories Power Requirements: 220-240 V, 001t2 Pressure Procisio			1	
Temperature Range 2—9°C Capacity Maximum 200°C Refrigerant: R13A, CFC free [R600a optional] Defroat Method: No froat Cooling Type: Forced air cooling Power: 135 W; Power Supply: 220V, 50/001z Magnetic Stirrer/Hot Plate (Dual) Specifications: Motor rating output: 9 W Specifications: Motor rating output: 9 W Specifications: Motor rating output: 9 W Temperature setting garge: 0 - 500 °C Heat output: 1000 W Temperature setting groups: 0 - 500 °C Heat and stirring control: Turring loads Power Requirements: 220-240 W, 60Hz Specifications: Capacity 620g Readshilly and Repeatability: 0.01g Ibanearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 4 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 7 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 7 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 7 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 7 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 7 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 7 and: sidding feet or equivalent Orbital diameter: 4.5 mm Specifications: Construction material: zinc alloy and technopolymer Support system: 8 zero-zero-zero-zero-zero-zero-zero-zero-			1	
Temperature Range: 2—8°C Capacity Maximum 2001 Refrigerant: R134s, CFC free (R600a optional) Defrost Method: No frost Cooling Type: Forced air cooling Power: 135 W; Power's Supply: 220V, 50/60ltz Magnetic Stirrer/Hot Platte (Dual) Specifications: Motor rating output: 9 W Speed range: 50 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control. Turning keob Power requirements: 220-240 W, 60Hz Specifications: Specifications: Capacity: 620g Readability: and Repeatability: 0.01g Liberarity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: took, continuous Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: took, continuous Power Requirements: 220-240 V, 60Hz Analytical Balmee Specifications: Copacity: 220-260 v. 60Hz Analytical Balmee Specifications: Application methods: Constant Head and Falling Head Sample Ring Roducers: 930-1000 mt. Pressure Precision Transducer Range: 100 kPs to +100 kPs Pressure Precision Transducer Range: 100 kPs to +100 kPs Pressure Precision Transducer Range: 100 kPs to +100 kPs Pressure Precision Transducer Range: 100 kPs to +100 kPs Pressure Precision Transducer Range: 100 kPs to +100 kPs Pressure Precision from Specifications Option: 100 kPs to +100 kPs Pressure Transducer Range: 100 kPs to	Sr	pecifications:		
Capacity Maximum 200 L Refrigerant R134a, CPC free (800a optional) DeFrost Methods No frost Cooling Type Forced air cooling Power: 135 W, Power Supply: 220V, 50/60Hz Magnetic Stirrer/Hot Plate (Dual) Specifications: Motor rating output: 9 W Speed range, 50 - 1500 rpm Hest control: 1500 rpm Hest co				
Refrigerant. R.13-4s, CFC free (R6000 aptional) Defrost Nethods No frost Cooling Type: Prored air cooling Power: 135 W; Power Supply; 220V, 59/60l12 Magnetic Stirrer/Hot Flate (Dual) Specifications: Motor caring output: 9 W Speed range 50 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C. Ideat and stirring course? Turning knob Power Requirements: 220 - 240 V, 00112 Top Loading Islance Specifications: Readshility and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 220 - 240 V, 6018 Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touck, continuous Power Requirements: 220 - 240 V, 60112 Analytical Balance Specifications: Capacity: 29/12 yr 1 mg Operating modes: touck, continuous Power Requirements: 220 - 240 V, 60112 Analytical Balance Specifications: Capacity: 29/12 yr 1 mg Operating modes: touck, continuous Power Requirements: 220 - 240 V, 60112 Analytical Balance Specifications: Capacity: 29/12 yr 1 mg Operating modes: touck, continuous Power Requirements: 220 - 240 V, 60112 Analytical Balance Specifications: Capacity: 29/12 yr 1 mg Operating modes: touck, continuous Power requirements: 220 - 240 V, 60112 Analytical Balance Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 992 - 1000 mt. Pressure Pricasion Transducer Cames vy Micro USE cable, Analog Ribbon Connector Cable, Software Plash Prive, Intervition Manual Software Application can control up to 20 independent units simultaneously. Prover Requirements: 220 - 240 V, 60161 Inclusives of Lings Computer Linear Cable, Software Plash Prive, Intervition Manual Software Application can control up to 20 independent units simultaneously. Prover Requirements: 220 - 240 V, 60161 Inclusives of Lings Computer Linear Linear Cable Capacity (Lings) Software Stream Revolution Cannot Capacity (Lings) Software Stream Revol				
Defrost Method: No frost Cooling Type: Forced air cooling Power: 135 W; Power Supply: 220V; 50/60112 Magnetic Stirrer/Hot Pitte (Dual) Specifications: Motor rating outputs: 9 W Speed range; 50 - 1500 rpm Helat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring constrot: Turning knob Power Requirements: 220-240 V; 60112 Top Loading Balance 1 Specifications: Capacity: 2602 Readability and Repeatability: 0.01g Readability: 0.02g Readability: 0.02g Readability: 0.02g Readability: 0.03g Readability: 0.03g Readability: 0.01g Re	Cá	apacity: Maximum 200 L		
Defrost Method: No frost Cooling Type: Forced air cooling Power: 135 W; Power Supply: 220V; 50/60Hz Magnetic Stirrer/Hort Hate (Dual) Specifications: Motor rating outputs: 9 W Speed range: 50 - 1500 rpm Helat output: 1000 W Temperature setting range: 0 - 500 °C Heat and string control: Turning lenob Power Requirements: 220-210 V, 60Hz Top Loading Balance 1 Specifications: Capacity: 620g Readability and Repeatability: 0.01g Limantity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 240-240 V, 60Hz Dower Requirements: 220-240 V, 60Hz Dower Requireme	Ro	efrigerant: R134a, CFC free (R600a optional)		
Cooling Type: Forced air cooling Power: 138 W, Power Supply: 220V, 50/60Hz Magnetic Stirrer/Hot Plate (Dual) Specifications Motor rating output: 9 W Speed rating output: 9 W Speed rating output: 9 W Speed rating control: Turning knob Power Requirements: 220-24 W, 60Hz Top Loading Balance Specifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Linea				
Power 135 W. Power Supply: 220V, 50/50Hz Magnetic Stirrey/Rot Plate (Dual) Specifications: Specifications: Motor rating output: 9 W Speed range: 50 - 1500 rpm Elea output: 1000 W Temperature setting range: 0 - 500 °C Elea and stirring control: Turning knob Power Requirements: 220-240 V, 60Hz Top Londing Balance 1 Specifications: Specification				
Magnetic Stirrer/Hot Plate (Dual) Specifications: Motor rating output: 9 W Speed range: 50 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control: Turning knoh Power Requirements: 220-240 V, 60Hz Top Loading Balance Specifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Qoperating Ambient Temperature: 10 - 30 Power requirement: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: ainc alloy and technopolymer Support system: 4 anti-stiding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Construction material: ainc alloy and technopolymer Support system: 4 anti-stiding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Oberating Ambient Temperature: 5-40°C 29-85% Temperature Coefficient Systikuty (ppm/C): 22pm/°C(no condensation) Power requirement: 12V, IA Of Soft Physical Audited Saturated Hydraulic Conductivity System (2 station) with 1 Sample Ring Volume: 931 - 100 mf. Sample Ring Volume: 932 - 100 mf. Sample Ring Volume: 932 - 100 mf. Sample Ring Volume: 932 - 100 mf. Seserior Volume: 330 - 1000 mf. Pressure Transducer Canse; Myter USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Precision Transquer consess (Witer USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Precision Transquer consess (Witer USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Technology of the Processor: 5-13 ff Cent of NS Software Testion Flash Drive, Instruction Manual Software Testion Flash Drive, Instr	Co	ooling Type: Forced air cooling		
Magnetic Stirrer/Hot Plate (Dual) Specifications: Motor rating output: 9 W Speed range: 50 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control: Turning knob Power Requirements: 220-240 V, 60ltz Top Loading Balance Specifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: 220-240 V, 60ltz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support systems: 4 unit: sliding feet or equivalent Orbital diameter 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60ltz Analytical Balance Specifications: Copacity: 220 g Minimum Bisplay: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature: Coefficient Sensitivity (pmm/C): 22pmm/**C(no condensation) Power requirement: 220-140 vi. 10 pl. 10 pl	Po	ower: 135 W: Power Supply: 220V 50/60Hz		
Specifications: Motor rating output: 90 W Specif range: 50 : 1500 rpm Heat output: 1900 W Temperature setting range: 0 - 500 °C Heat and string control: Turning knob Power Requirements: 220:240 V, 60Hz Top Loading Balance: Specifications: Capacity: 620g Readability and Repeatability: 0.01 g Lincarity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 220:240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Sopport system: 4.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 4.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 4.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 4.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 4.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 4.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 5.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 5.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 5.0 mixer and specifications: Construction material: zinc alloy and technopolymer Sopport system: 5.0 mixer and technopolymer Sopport system: 6.0 mixer and technopol				
Motor rating output: 9 W Speed range: 50 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control: Turning knob Power Requirements: 220-240 V, 60Hz Top Loading Balance Speelfications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Qperating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DC12V, 1A) Power Requirements: 220-240 V, 60Hz Vortex Mixer Speelfications: Canstruction material: zinc alloy and technopolymer Support system: 4 auti-stiding feet or equivalent Orbital diameter - 4.5 mm Speed: speel to 3000 rpm Operating modes: truch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Speedingtoms: Capacity: 220 Minimum Display: 0.1 mg Operating Minieut Temperature: 5-40°C 20-854 Temperature Coefficient Sensitivity (ppm/C): +2ppm/*C(no condensation) Fower requirement: 24, 14 B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Inside Cross-Sectional Area: 20-67 cm2 Reservor Volume: 393. 1000 mm. Pressure Transducer Range: -100 RPa to -100 RPa Pressure Transdu			1	
Speed range: \$0 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control: Turning knob Power Requirements: 220-240 V, 601iz Top Loading Balance \$\$pecifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 220-240 V, 601iz Vortex Mixer \$\$pecifications: Construction material: zinc alloy and technopolymer Support system: 4.anti-sliding feet or equivalent Orbital Glameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 601iz Analytical Balance \$\$pecifications: Capacity: 220g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): 22ppm/FC(no condensation) Power Requirements: 221. B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Valume: 982-100 ml. Sample Ring Valume: 982-200 ml. Sample Ring Valume	Sr	pecifications:		
Speed range: \$0 - 1500 rpm Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control: Turning knob Power Requirements: 220-240 V, 601iz Top Loading Balance \$\$pecifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: 220-240 V, 601iz Vortex Mixer \$\$pecifications: Construction material: zinc alloy and technopolymer Support system: 4.anti-sliding feet or equivalent Orbital Glameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 601iz Analytical Balance \$\$pecifications: Capacity: 220g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): 22ppm/FC(no condensation) Power Requirements: 221. B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Valume: 982-100 ml. Sample Ring Valume: 982-200 ml. Sample Ring Valume	М	Actor rating output: 9 W		
Heat output: 1000 W Temperature setting range: 0 - 500 °C Heat and stirring control: Turning knob Power Requirements: 220-240 V, 60Hz Top Loading Balance Sperifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Querating Ambient Temperature: 10 - 30 Power Requirements: AC adaptor (DC12V, 1A) Power Requirements: AC adaptor (DC12V, 1A) Power Requirement: AC adaptor (DC1				
Temperature setting range; 0 - 500 °C Heat and string control Turning knob Power Requirements; 220-240 V, 60Hz Top Loading Balance Specifications: Capacity; 62lg Readability and Repeatability; 0.01g Linearity; 0.02g Operating Ambient Temperature; 10 - 30 Power Requirements; 220-240 V, 60Hz Power Requirements; 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc aliny and technopolymer Support system: 4 anti-sidding feet or equivalent Orbital diameters 4.5 mm Speed: up to 3000 rpm Operating modes: tooch, continuous Power Requirements; 220-240 V, 60Hz Analytical Balance Specifications: Capacity; 220 g Minimum Bisplay: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): 22ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring volume: 930-1000 ml. Pressure Transducer Comes y Micro USB cable. Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Flash Drive, Instruction Manual Sof				
Temperature setting range; 0 - 500 °C Heat and string control Turning knob Power Requirements 220; 240 V, 60Hz To Loading Balance Specifications: Capacity; 620g Readability and Repeatability; 0.01g Linearity; 0.02g Operating Ambient Temperature; 10 - 30 Power requirement: AC adaptor (DC12V, 1A) Power Requirements; 220-240 V, 60Hz Vortex Mixer Specifications: Canstruction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Operating modes: touch, continuous Power Requirements; 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Bisplay: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 932-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm.2 Reservoir Volume: 932-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm.2 Reservoir Volume: 932-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm.2 Reservoir Volume: 930-1000 mL Pressure Transducer comes wy Micro USB cable. Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously, provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously, provision for main water Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Prover Precision Transducer comes wy Micro USB cable. Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provers for Lattice Flash Prive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Proversion of Lattice Researce Researc	H/	leat output: 1000 W		
Heat and strring control: Turning knob Power Requirements: 220-240 V, 60Hz Top Loading Balance Specifications: Capacity: 629g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirements: A2 dadptor (Dc12V, 1A) Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4-5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40° C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/*C(no condensation) Power requirement: 12V, 1A J Sull Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptiop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 982-100 mL Sample Ring Inside Cross Sectional Area: 20.67 cm2 Reservoir Volume: 932-100 mL Sample Ring Inside Cross Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Software Application: can control up to 20 independent units simultaneously. Provision for main water Feast Prick Interaction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water Feast Prick Interaction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water reservoir (min capacity: 10.1) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: is 13th Gen / R5 Zen3+(RDNA2 based) Storage: at least 500-6 BM 2 PCle NVMe SD Memory: at least 16cfi, DDN4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Power Requirements 220-240 V, 60Hz 1 Specifications: Capacity: 620g Readability and Repeatability: 0.01g Capacity: 0.02g Cap				
Power Requirements 220-240 V, 60Hz 1 Specifications: Capacity: 620g Readability and Repeatability: 0.01g Capacity: 0.02g Cap	H	leat and stirring control: Turning knob		
Top Loading Balance Specifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DC12V, TA) Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 45 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance 1 Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): -22pm/*C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 982-100 mL Sample Ring Kolume: 982-100 mL Pressure Precision Transducer comes wy Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provisor for main water reservoir (min capacity: 10.1) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / 185 Zen3+(RDNAZ based) Storage: at least 15-6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Specifications: Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DC12V, TA) Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Conflicient Sensitivity (ppm/C): 22ppm/°C(no candensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Inside Cross-Sectional Area: 20.67 cm.2 Reservoir Volume: 930.1000 mL Pressure Transducer Range: -100 kHz to +100 kPa Pressure Precision Transducer Cange: Vider USB cable, Aralog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. Provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 65-13th Gen / K5 Zen3+(RINNA2 based) Storage: at least 15.6-6 inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:			1	
Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DCL2V, IA) Power Requirements: Z20-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: bouch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Gapacity: 220 g Minimum Display: 0.1 mg Operating Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): 22ppm/*C(no condensation) Power requirement: 12V, IA B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Trans			1	
Capacity: 620g Readability and Repeatability: 0.01g Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DCL2V, IA) Power Requirements: Z20-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: bouch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Gapacity: 220 g Minimum Display: 0.1 mg Operating Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): 22ppm/*C(no condensation) Power requirement: 12V, IA B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Trans	Sr	pecifications:		
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Linearity: 0.02g Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DCL2V, 1A) Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-silding feet or equivalent Orbital diameter -4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V. 1A B) SoII Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample King Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Mange: -100 kPa to +100 kPa Pressure Precision Transducer comes wy Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously, provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / RS Zen3-4(RDM2 based) Software application: can control up to 20 independent units simultaneously, provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / RS Zen3-4(RDM2 based) Software application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / RS Zen3-4(RDM2 based) Software application: can control up to 20 independent units simultaneously. Processor: 15-13th Gen / RS Zen3-4(RDM2 based) Software application: can control up to 20 independent units simultaneously. Processor: 15-13th Gen / RS Zen3-4(RDM2				
Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DC12V,1A) Power Requirement: AC adaptor (DC12V,1A) Power Requirement: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-83% Temperature Coefficient Sensitivity (ppm/C): 22ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 982-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 982-100 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Transducer Range: -100 kPa to +100 kPa Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Plash Drive, Instruction Manual Software Application: can control by to 20 indeependent units simultaneously, provision for main water reservoir (min capacity: 10L.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 5-13th Gen /RS Zen3+(RUNAZ based) Storage: at least 500GB MZ PCIe NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Screen size: at least 150-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Operating Ambient Temperature: 10 - 30 Power requirement: AC adaptor (DCI 2V, 1A) Power requirement: AC adaptor (DCI 2V, 1A) Power Requirement: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4-5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 ml. Sample Ring Nolume: 98.2-100 ml. Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 98.2-100 ml. Pressure Transducer Range: +100 kPa pressure Transducer Range: +100 kPa pressure Precision Transducer Comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Plash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 101.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 5-13th Gen / RS Zen3+(RDNAZ based) Storage: at least 500B M.2 PCIe NVMe SSD Memory at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:	Li	inearity: 0.02g		
Power requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 ml. Pressure Transducer Mange: -100 kPa to +100 kPa Pressure Precision Transducar comes y Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously, provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / RS Zen3+(RDNA2 based) Storage: at least 15-6. inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:			1	
Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/"C(no condensation) Power requirement: 12V, IA B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Nolume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Gross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Capacity (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / RS Zen3+(RDNA2 based) Storage: at least 500GB M.2 PCle NVMs SSD Memory: at least 156-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Power Requirements: 220-240 V, 60Hz Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/"C(no condensation) Power requirement: 12V, IA B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Nolume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Gross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Capacity (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / RS Zen3+(RDNA2 based) Storage: at least 500GB M.2 PCle NVMs SSD Memory: at least 156-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Vortex Mixer Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Pemperature Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Pemperature Capacity: 210 g Operating Ambient Temperature: 5-40°C 20-85% Pemperature Capacity: 210 g Operating Ambient Temperature: 5-40°C 20-85% Pemperature Capacitical Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 930-1000 mL Sample Ring Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Transducer Range: -100 kPa to +100 kPa Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes wf Micro USB cable, Analog Ribbon Connector Cable, Software Falsh Diver, Instruction Manual Software Application: can control up to 20 independent units simultaneously, provision for main water reservoir (min capacity: 101.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 5-13th Gen / K5 Zen3+(RDNA2 based) Storage: at least 500G M. 2 PCle NVMe SSD Memory: at least 15.6-inch Display Type: PS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System 1 Includes:	Po	ower Requirements: 220-240 V 60Hz		
Specifications: Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/**C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 982-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 993-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / R5 Zen3-((DNAZ based) Storage: at least 500GB M.2 PCle NVMe SSD Memory: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 ((icense) Particle Size Analysis System Includes:			2	
Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Confeicient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Unime: 98.2-100 ml. Sample Ring Unime: 98.2-100 ml. Pressure Transducer Range: -100 kPa to +100 kPa Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 101.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / K5 Zen3+(RDNAZ based) Sorrage: at least 500GB M.2 PCIe NVMe SSD Memory: at least 156-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System 1 Includes:				
Construction material: zinc alloy and technopolymer Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Confficient Sensitivity (ppm/C): ±2ppm/*C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 930-1000 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / R5 Zen3*(RDNA2 based) Sorrage: at least 500GB M.2 PCIe NVMe SSD Memory: at least 156-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System 1	Sr	pecifications:		
Support system: 4 anti-sliding feet or equivalent Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 390-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 101.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: i5-13th Gen / R5 Zen3+(RDNA2 based) Storage: at least 500GB M.2 PCle NVMe SSD Memory: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:		1		
Orbital diameter: 4.5 mm Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 982-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 990-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: i5-13th Cen / R5 Zen3* (RDNA2 based) Storage: at least 50.66 B. DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 mL Sample Ring Wolume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 5-13th Gen / RS Zen3+(RDNAZ based) Storage: at least 16GB, DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Speed: up to 3000 rpm Operating modes: touch, continuous Power Requirements: 220-240 V, 60Hz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 mL Sample Ring Wolume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 5-13th Gen / RS Zen3+(RDNAZ based) Storage: at least 16GB, DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:	0:	Orbital diameter: 4.5 mm		
Operating modes: touch, continuous Power Requirements: 220-240 V, 60ltz Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 ml. Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 ml. Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 101.) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / K5 Zen3+K(RDNAZ) based) Storage: at least 15-6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Power Requirements: 220-240 V, 60Hz Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 ml. Sample Ring Volume: 98.2-100 ml. Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 ml. Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-134 Gen / RS Zen3+(RDNA2 based) Storage: at least 50GB M.2 PCle NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
Power Requirements: 220-240 V, 60Hz Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 ml. Sample Ring Volume: 98.2-100 ml. Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 ml. Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-134 Gen / RS Zen3+(RDNA2 based) Storage: at least 50GB M.2 PCle NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:	0	perating modes: touch, continuous		
Analytical Balance Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Nolume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 RPa to +100 RPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: 15-13th Gen / R5 Zen3+(RDNA2 based) Storage: at least 50GB M.2 PCIe NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Includes:				
Specifications: Capacity: 220 g Minimum Display: 0.1 mg Operating Ambient Temperature: 5-40°C 20-85% Temperature Coefficient Sensitivity (ppm/C): ±2ppm/°C(no condensation) Power requirement: 12V, 1A B) Soil Physical Automated Saturated Hydraulic Conductivity System (2 station) with 1 Laptop Specifications: Applicable methods: Constant Head and Falling Head Sample Ring Volume: 98.2-100 mL Sample Ring Inside Cross-Sectional Area: 20.67 cm2 Reservoir Volume: 930-1000 mL Pressure Transducer Range: -100 kPa to +100 kPa Pressure Precision Transducer comes w/ Micro USB cable, Analog Ribbon Connector Cable, Software Flash Drive, Instruction Manual Software Application: can control up to 20 independent units simultaneously. provision for main water reservoir (min capacity: 10 L) with accessories Power Requirements: 220-240 V, 60Hz Inclusive of Laptop computer Processor: i5-13th Gen / R5 Zen3+(RDNA2 based) Storage: at least 16GB, DDR4 (upgradable) Screen size: at least 15.6-inch Display Type: IPS Operating System: Windows 10/11 Pro MS Office: Microsoft Office 2021 (license) Particle Size Analysis System Includes:				
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Particle Size Analysis System 1 Includes:				
Includes:				
Includes:	Pa	article Size Analysis System	1	
			1	
5pcs Sedimentation Glass Cylinder, 1L				
2 pcs Sodium Hexametaphosphate, AR Grade, 500g	2.	pcs Sodium Hexametaphosphate. AR Grade. 500g		
5 pcs Plastic Pestle			1	
5 pcs riasuc resue		pus riasuu resue	<u>J</u>	l

1 pcPortable Blender		
1 per of table Blender 1 per folding jug; minimum capacity 2.5 Gal.		
Stokes Kit:		
Sieve Set with shaker kit		
Sieve Set :10, 20, 40, 60, 120 and 200		
Sieve Diameter: 3-4 inches		
inclusions: 5 pcs Beaker, yorker spout, drying pans, spatula, timer, spoon and		
gloves		
Soil Sampler Set with Sampling tube	1	
Specifications:	1	
Soil Sampler - 2 sets for the following:		
Soil Sample Shoe		
Handle with beating head		
Hammer with nylon		
Brush and knife set		
Case (plastic)		
17 sets Sampling tube (100ml)		
Dimensions: I.D.diam.50 x 51mm		
Material: Stainless steel 304		
Quantity: 6 pcs. with 2 lids in a cloth case per set		
inclusion:		
2 pcs Shovel		
Tip: Round Shape		
Material: Stainless steel		
weight: ≤220 grams		
Accessories: Waist band leather case		
Munsell Soil Color Chart	2	
Specifications:		
10R, 10YR, 2.5Y, 2.5YR, 5Y, 5YR, 7.5YR		
10Y-5GY Colors - Olive green		
Gray 1 and 2 (2 separate charts)		
5R individual soil chart		
7.5R individual soil chart		
"New" White page , 7.5R, 10YR, and 2.5Y		
10Y and 5GY soil chart for glauconitic soils		
5R soil chart for Australia and Southeast Asia		
7.5R soil chart for tropical and semi-tropical soils		
- Laminated Hard Cover, Glossy, Ring Binded Cover &		
Sheets		
With openings in between chips to allow easy visual		
comparison with soil samples.		
Color ships are mounted on neutral gray.		
-Water-resistant sheets/pages		
Latest Edition or equivalent		
Motorized ASTM Liquid Limit Machine		
with liquid, plastic and shrinkage accessories	1	
Specifications:		
with grooving tool, rough brass, with central smooth band 100mm wide Power supply: 210-230V		
117		
Complete Plastic Limit accessories are Supplied in plastic case		
Complete Shrinkage Limit accessories are Supplied in plastic case		
c) Soil Microbiological		
Spectrophotometer + Fluorometer	1	
Specifications:		
Wavelength range: 220 to 850nm		
Wavelength accuracy: ± 2.0 nm		
Absorbance photometric accuracy: ± 5.0%		
Absorbance photometric range: 0.1–1.0		
Sample format: 10 mm × 10 mm cuvette		
Fluorescence emission detection limit: 1 mg/L quinine sulfate dihydrate in 0.1		
M H2SO4		
Inclusions: at least 100pcs of 3.5ml UV fluorescence cuvette (plastic) with lids		
Power Requirements: 220-240 V, 60Hz		
Carbon Dioxide Respirometer Reader with Laptop and software included	2	
Specifications:		
CO2 concentration: up to 200,000 ppm		
Carbon loss rate: up to 2500 ug/g		
Operation: standalone assay unit or attached to a compatible laptop unit		
Power Requirements: 220-240 V, 60Hz		
Processor: i5-13th Gen / R5		
Zen3+(RDNA2 based)		
Storage: at least 500GB M.2 PCIe		
NVMe SSD		
Memory: at least 16GB, DDR4		
(upgradable)		

operating system, through 10/11. MS Office Microsoft Office 2021 (license) Temperature detection and recording Yes Standard Accessories and Inclusions: Detector, 975 nt. jur and 1265 nt. jur (for larger state helology studies), 20-thing, Usfor lather, Software Header, (for larger state helology studies), 20-thing, Usfor lather, (inclusions) Specifications Flesable Led Control (FLD) Automatic Magnification Reading (AMR) Magnification: 102 ZDIX Head-lating 1260nt 1290) Head-lating 1260nt 1290) Head-lating 1260nt 1290 Head-lating 1260nt 1260	lo .: C . W. 1 40/44		
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Olicense) Temperature detection and recording: Yes Standard Accessories and Inclusions: Detector, 475 ml. jar and 1265 ml. jar (for large rose his biology saidas), 24-8mgs, 1818 chins, Software-Reader, Instruction Manual Data logger, and at least 1 yr warranty on parts and service Specification of the control of the con			
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Standard Accessories and Inchasions. Decetor, 475 mt. jis and 1265 mt. jar (for larges cale biology studies.) 20-Rings. 1886 software Reader; instruction Manual, Dean logger, and at fasts 1 yr warranty on parts and service logistal hand held microscope. **Prescription** (19.8) **Austrantia** (19.8) **Cenduction type (19.8 3.0) **Inchasions** (19.8) **Inchasion			
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Inner Diameter: atleast 6 cm (Scm min) Outer Diameter: atleast 7 cm (Scm min) Wall Trickness: atleast 3 nm Length: atleast 100 cm Leaf Image Analyzer Specifications: Non destructive and handheld Measuring Thickness: min 1.4 cm max2 cm x Width: min 14 max 17 cm x Length: min 15 cm max 350 cm Resolution: 0.01 cm² Accuracy: ±1% for samples > 10 cm² Operating Temperature: 0.50°C Data Storage: at least 16 GB SD card Drying oven 1 Specifications: Air convection: natural Chamber capacity: 15L Controller: microprocessor with external LCD graphic display Temperature range: ±5°C to ±300°C Door type: solid (door viewing window Interior: acid-proof stainless steel Housing: power coated sheet Power Requirements: 220-240 V, 60Hz Incubator Specifications: Temperature Range: 17-40 °C Temperature Uniformity: ±1.2°C Temperature Uniformity: ±1.2°C Temperature Bability: ±0.2°C Shelves: 2-3 layers Weight: Max 8 kg Blectrical: 100-240 V, 50-60 Hz Tabletop Laminar Flow 1 Specifications: UV radiation level: 18 mW / cm2 / sec Radiation type: 1W (2-53.7 mm), ozone-free Digital time setting of direct UV exposure: 1 min-24 hrs / non-stop UI/ practicions 99-90% Polymenty methacrylate Working area: 645 × 990 mm Nominal operating voltage: 100-240 V, 50-60Hz Laboratory Refrigerator Specifications: Brefective capacity: maximum 160 liters Net weight: maximum 75 kg Compressor: Hermetic type, 90 W Refrigerature Conformity and seven political defrosting & evaporator temp, detection system Temperature currior: 25°C to 14°C Temperature currior: 25°C to 14°C Temperature definition: 30°C to 14°C Temperature currior: 25°C to 14°C Temperature currior: 25°C to 14°C Temperature currior: 25°C to 14°C Temperature definition: 25°C to 14°C Temperature currior: 25°C to 14°C Temperature currior: 25°C to 14°C Temperature definition: 25°C to 14°C Temperature definition: 25°C to 14°C Temperature currior: 25°C to 14°C Temperature currior: 25°C to 14°C Temp	Inclusions: at least 5 root tubes		
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Leaf Image Analyzer Specifications: Non destructive and handheld Measuring Thicknoss: min 1.4 cm max2 cm x Width: min 14 max 17 cm x Length min 1.5 cm max3.50 cm Resolution: 0.01 cm² Accuracy: ±1% for samples > 10 cm² Operating Temperature: 0-50 °C Data Storage: at least 16 GB SD card Drying oven Specifications: Air convection: natural Chamber capacity: 15L Controller: microprocessor with external LCD graphic display Temperature range: 45°C to +300 °C Door type: solid/door viewing window Interior: acid-proof stainless steel Housing: power coated sheet Power Requirements: 220-240 V, 60Hz Incubator Specifications: Temperature Range: 17-40 °C Temperature Uniformity: ±1.2 °C Temperature Uniformity: ±1.2 °C Temperature Uniformity: ±1.2 °C Temperature Uniformity: ±0.2 °C Shelves: 2-3 layers Weight: Max 8 kg Electrical: 100-240 V, 50-60 Hz Tabletop Laminar Flow UV protection: 99-90% Polymethy methacylate Working area: 1.600-700 mm × 400-500 mm Overall dimensions (Was Dill): 700-750 mm × 500-600 mm Working area: 1.600-700 mm × 400-500 mm Overall dimensions (Was Dill): 700-750 mm × 500-600 mm Working area: 645 × 490 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator 1 Specifications: UV reflections: UV reflections: 99-90% Polymethy methacylate Working area: 645 × 490 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator 1 Specifications: UV effection: 99-90% Polymethy methacylate Working area: 645 × 490 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator 1 Specifications: UV effection: 99-90% Polymethy methacylate Uv protection: 99-90% Polymethy methacylate Uv prote			
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Specifications: Non destructive and handheld Measuring Thickness: min 1.4cm max2 cm x Width: min 14 max 17 cm x Length: min 15cm max 550 cm Resolution: 0.01 cm² Accuracy: ±1% for samples >10 cm² Operating Temperature: 0.50°C Data Storage: at least 16 GB SD card Drying oven Specifications: Air convection: natural Chamber capacity: 151. Controller: microprocessor with external LCD graphic display Temperature range: +5°C to +300°C Door type: solid/door viewing window Interior: acid-proof stainless steel Housing: power coated sheet Hower Requirements: 220-240 V, 60Hz Incubator Specifications: Temperature Range: 17-40 °C Temperature Uniformity: ±1.2°C Temperature Uniformity: ±1.2°C Temperature Uniformity: ±1.2°C Temperature Informity: ±1.2°C Temperature Uniformity: ±1.2°C Temperature Informity: ±1.2°C Temperature Stability: ±0.2°C Shelves: 2-3 layers Weight: Max 8 kg Electrical: 100-240 V, 50-60 Hz Tableto Laminar How 1 Specifications: UV radiation level: 18 mW / cm2 / sec Radiation type: UV (2 = 253.7 mm), ozone-free Digital time setting of direct UV exposure: 1 min-24 hrs / non-stop UV protection: >99.90% Polymethyl methacrytale Working surface material: Steel with chemicals resistant powder coating Working surface material: Steel with chemicals resistant powder coating Working area: 64.5 × 490 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator 1 Specifications: Fifective capacity: maximum 160 liters N			
Non destructive and handheld Measuring Thickness: min 1.4cm max2 cm x Width: min 14 max 17 cm x Length: min 15 cm max 350 cm Resolution: 0.01 cm² Accuracy: ±1% for samples >10 cm² Operating Temperature: 0.50°C Data Storage: at least 16 GB SD card Drying oven Specifications: Air convection: natural Chamber capacity: 151. Controller: microprocessor with external LCD graphic display Temperature range: 9.5°C to +300°C Door type: solid/door viewing window Interior: acid-proof stainless steel Housing: power coated sheet Power Requirements: 220-240 V, 601tz Incubator Specifications: Temperature Range: 17.40 °C Temperature Range: 17.40 °C Temperature Range: 17.40 °C Temperature Stability: 40.2°C Shelves: 2-3 layers Weight: Max 8 kg Electrical: 100-240 V, 50-60 Hz Tabletoy Laminar Flow Specifications: UV radiation level: 18 mW / cm2 / see Radiation type: UV (\alpha = 25.7 nm), ozone-free Digital time setting of direct UV exposure: 1 min-24 hrs / non-stop UV protection: 99-9099 Folymethy interhacylate Working area: 16 600-700mm x W 400-500m m Overald dimensions (Wab-Hi; 700-750m m x 500-600mm x 500-600 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator Specifications: Effective capacity: maximum 150 liters Net weight: maximum 75 kg Compressor: Hermetic type, 90 W Refrigerant: HPC Defrosting: Cyclical defrosting & evaporator temp. detection system Temperature control: 2°C to 14°C Temperature display: Digital High/Nov temperature alarm system: ±2°C to ±14°C from temperature setting		1	
Measuring Thickness: min 1.4cm max2 cm x Width: min 14 max 17 cm x Length: min 15cm max 380 cm Resolution: 0.01 cm² Accuracy: ±1% for samples >10 cm² Operating Temperature: 0.50°C Data Storage: at least 16 GB SD card Drying oven Specifications: Air convection: natural Chamber capacity: 151. Controller: microprocessor with external LCD graphic display Temperature range: ±5°C to ±300°C Door type: solid/door viewing window Interior: acid-proof stainless steel Housing: power coated sheet Housing: power coated sheet Housing: power coated sheet Power Requirements: 220-240 V, 60Hz Incubator Specifications: Temperature Range: 17-40 °C Temperature Uniformity: ±1.2°C Shelves: 2-3 layers Weight: Max 8 kg Electrical: 100-240 V, 50-60 Hz Tableto Laminar Flow Specifications: UV radiation level: 18 mW / cm2 / sec Radiation type: UV (\lambda = 253.7 mm), ozone-free Digital time setting of direct UV exposure: 1 min=24 hrs / non-stop UV protection: >99-90% Polymethyl methacrylate Working area: 64 > 400 mm Overall dimensions (W+D+H): 700-750mm × 500-600mm > 500-600 mm Working surface material: Steel with chemicals resistant powder coating Working area: 64 > 400 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator Specifications: Fifective capacity: maximum 150 liters Net weight: maximum 75 kg Compressor Hermetic type, 90 W Refrigerant: IIFC Defrosting: Cyclical defrosting & evaporator temp. detection system Temperature display: Digital High/Nov temperature alarm system: ±2°C to ±14°C from temperature setting			
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UV radiation level: 18 mW / cm2 / sec Radiation type : UV (λ = 253.7 nm), ozone-free Digital time setting of direct UV exposure: 1 min-24 hrs / non-stop UV protection: >99.90% Polymethyl methacrylate Working area: L 600-700mm × W 400-500 mm Overall dimensions (W×D×H): 700-750mm × 500-600mm × 500-600 mm Working surface material: Steel with chemicals resistant powder coating Working area: 645 × 490 mm Nominal operating voltage: 100-240 V, 50/60Hz Laboratory Refrigerator Specifications: Effective capacity: maximum 160 liters Net weight: maximum 75 kg Compressor: Hermetic type, 90 W Refrigerant: HFC Defrosting: Cyclical defrosting & evaporator temp. detection system Temperature control: 2°C to 14°C Temperature display: Digital High/Low temperature alarm system: ±2°C to ±14°C from temperature setting		1	
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High/Low temperature alarm system: ±2°C to ±14°C from temperature setting			
value			
	value	<u> </u>	

	Power Supply: 220V, 60Hz		
	Tabletop Autoclave	1	
	Specifications:	1	
	Capacity: maximum 24L		
	Door: Manual, Automatic		
	Designed Pressure: -0.1/0.3MPa		
	Water Tank Volume: maximum 3.5L		
	Working Temp: 121-134°C		
	Vacuum system: High efficiency vacuum pump		
	Atmospheric Pressure: 76~106 kpa		
	Ambient Temp.: 5~40°C		
	Standard Accessories: USB/Printer		
	Power supply: 220V		
	Consumption: 3kVA		
	Gross weight: maximum 60 kg		
	Single Chanel Pipetors	1	
	Specifications:		
	Chemically resistant and fully autoclavable		
	Volume Adjustable, interchangeable, easy-grip ejector, with carousel, 1000		
	pipette tips per unit		
	Volumes:		
	1000-10,000 μl		
	1000-5000 μl		
	100-1000 μl		
	20-200ul		
	10-100 µl		
	d) Standard inclusions:		
	inclusive of AVR and/or UPS for various sensitive equipment:		
	UV-Vis AAS		
	Carbon Dioxide Respirometer Reader		
	Motorized ASTM Liquid Limit Machine		
	To include supplies and consumables in support to the equipment		
	includes provisions to ensure storage and safety of equipment during		
	transport (e.g. fixtures, dampening pads, antivibration pad, equipment brace,		
	plexi glass.)		
	with Calibration Certificate from Competent Calibration Laboratory (PAB		
	Accredited Calibration Laboratory or with Statement of Metrology)		
	e) After sales services specifications:		
<u> </u>	Inclusive: Commissioning and installation of all required instruments,		
	equipment, and other accessories.		
	Providing training & demonstration for the operation of all instruments		
	Providing technical back-up (monitoring and troubleshooting) and after-sales		
	services and guidance for improving the efficiency of the lab		
	Calibration, standardization & operation of all instruments		
	with standard two (2) years warranty on parts and services for all equipment		
	with insurance coverage for all technical and scientific equipment (3 years)		
	Submission to include proposed floor plan for the Mobile Soil Laboratory,		
	subject for approval of the BSWM during the contract implementation.		
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