



DEWSIL™

SCIENTIFIC PVT. LTD.

AN ISO 9001-2008 CERTIFIED COMPANY

Price List-2019-20

CIN NO. :- U74999DL2015PTC 276814



उद्योग आधार Udyog Aadhaar																	
A	<table border="1"> <tr> <th>Type of Enterprise</th> <th>Micro</th> <th>Small</th> <th>Medium</th> </tr> <tr> <td>Manufacturing</td> <td>A</td> <td>B</td> <td>C</td> </tr> <tr> <td>Services</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>Others</td> <td colspan="3">G</td> </tr> </table>	Type of Enterprise	Micro	Small	Medium	Manufacturing	A	B	C	Services	D	E	F	Others	G		
Type of Enterprise	Micro	Small	Medium														
Manufacturing	A	B	C														
Services	D	E	F														
Others	G																
Udyog Aadhaar Memorandum																	
1. Aadhaar Number:	50093327801																
2. Name of Entrepreneur:	RAMA BHANU AGARWAL																
3. Social Category:	GENERAL																
4. Name of Enterprise:	DEWSIL SCIENTIFIC PRIVATE LIMITED																
5. Type of Organization:	PRIVATE LIMITED COMPANY																
6. Postal Address:	C-21, SECTOR-1, BAWANA INDUSTRIAL AREA, DELHI																
	District: NEW DELHI State: DELHI PIN: 110039																
	Mobile No: 965330625 Email: ramesh.gov.com.in@gmail.com																
7. Date of Commencement:	09/04/2015																
8. Previous Registration details (if any):	BSI : NA																
9. Bank Details:	IFS Code SBIN0011547 Bank Account : 34819278090																
10. Major Activity:	MANUFACTURING																
11. National Industry Classification Code:	MANUFACTURE OF LABORATORY OR PHARMACEUTICAL GLASSWARE																
12. Persons employed:	4																
13. Investment (Plant & Machinery / Equipments):	2 (Rs. in Lakhs)																
14. District Industry Centre:	DELHI																
<p>Declaration: I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately before the concerned authority.</p>																	

MAX CERTIFICATION	
Certificate of Registration	
This is to certify that the Quality Management System of	
DEWSIL SCIENTIFIC PVT. LTD.	
C-21, Sector-1, Bawana Industrial Area, Delhi-110039, India	
has been assessed and conforms to:	
ISO 9001:2008	
for the following activities	
Manufacturing and Trading of Scientific Equipments, Laboratory Glassware and Lab Instruments, Lab Consumables Glassware and Lab Consumables	
Certificate Number : 11227-AQMS-1327	
Original Certification Date : 30/03/2015	1st Surveillance Due on : 25/03/2016 Done on : N.A.
Revised Certification Date : N.A.	2nd Surveillance Due on : 24/03/2017 Done on : N.A.
Certificate Expiration Date : 29/03/2018	
<p>The validity of this certificate is contingent upon the condition that the client has understood & agreed and shall abide by contract agreement, certification agreement, Master agreement for certification services and logo rules as given on our website www.maxcert.com. The client is requested to check the above certificate details at our above mentioned website and also on www.globalaccreditationboard.com under the heading of Register & sub heading of certified organization by entering their certificate number and inform us in case of any discrepancy at our above email id.</p>	
<p>MAX Certification Manager</p>	
<p>ACCREDITATION BOARD OF GLOBAL ORGANIZATION (GAB) ICAB INTERNATIONAL COUNCIL OF ACCREDITATION BODIES</p>	
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Company Profile / Introduction



The Dewsil Scientific Pvt. Ltd (DS) is a new age, research driven and forward looking laboratory consumables Manufacturing company incorporated recently by a group of leading management professionals and eminent technocrats to provide premium quality Glassware, Plasticware, Filtration System, Instruments and many more laboratory Consumables to Physical and Bioscience organizations, Government and Private sector Industries engaged in developing and testing raw material & finished product at various levels at affordable prices.

*We are one of **ISO 9001: 2008 Certified Company**, Registered with MSME (Ministry of Micro Small & Medium Enterprises) Government of India as **Manufacturing Registration No DL03A0000822 and, GMP Certified.***

DS is set to conquer newer horizons of all round of growth and excellence within next few years by maintaining and upgrading quality to meet highest international standards and it is our unending endeavour to enhance customers satisfaction by cultivating cordinal relationship with them

we invite our respected and beloved customers to be the part of it and enlighten us. Your suggestion is our strength and trust is our success

We feel immense pleasure in presenting our Price List cum Catalogue for the year 2019-20, consisting "DEWSIL" brand Glassware, Plastic ware, Filtration Systems, Instruments, Equipments and many more Laboratory consumables of excellent quality.

With Warm Regards,

S. Agrawal

Managing Director



Glass Wares Property



Low Expansion Borosilicate Glass

From The 16 th century to, today ,chemicals research teams have used glass containers for a very basic reason the glass containers is transparent, almost invisible.And so the contents and the reaction are clearly visible, but because chemist must heat, cool and mix chemicals substance, ordinary glasses not always adequate for laboratory works.

Laboratory works requires apparatus made in a glass -which can readily be molded into any desired shape or form, which offers maximum inertness when in contact with the widest range of chemicals substance, which can withstand thermal shock with fracture and high temperature work without deforming and which will be resilient enough to survive the everyday knocks to which it will be subjected in normal laboratory handling, washing and sterilizing processes.

Chemical Composition

Dewsil Glassware is a low alkali borosilicate composition. It's typical chemicals composition is given under. It's virtually free of magnetic -lime -zinc group and contains only traces of heavy metals.

Percentage by weight	
SiO_2	81%
B_2O_3	13%
Na_2O	4%

Thermal Properties

As the Coefficient of thermal expansion of Borosilicate glass is low, the thermal stresses under a given temperature gradient are consequently low and the glass can withstand higher temperature gradient and also sudden temperature changes /thermal shocks. Minute scratching of glass surface can however reduce its thermal resistance. In general the 'Strain Point' should be regarded as the maximum safe operating temperature of Dewsil glassware. When heated above 500 degree Celsius the glass may acquire permanent stresses on cooling. All Dewsil lab ware is annealed in modern ovens under strictly controlled conditions to ensure minimum residual stress in the products

Coefficients of linear Expansion	$32.5 \times 10^{-7} \text{ } ^\circ\text{C}$
Strains point	$515 \text{ } ^\circ\text{C}$
Annealing point	$565 \text{ } ^\circ\text{C}$
Softening point	$820 \text{ } ^\circ\text{C}$
Specific Heat	0.2
Thermal conductivity	0.0027

Chemical Durability

Dewsil Glass ware is highly resistant to water, neutral and acid solutions, concentrated acids and their mixtures as well as to chloride, bromine, iodine and organic matters. Even during extended period of reaction and at temperature above 100 degree Celsius, its chemical resistance exceeds that of most metals and other materials. It can withstand repeated dry and wet sterilization without surface deterioration and subsequent contamination. Resistance to attack of various chemicals is shown under. Only hydrofluoric acid, very hot phosphoric acid and alkaline solutions increasing attack the glass surface with rising concentration and temperature.

Fabrication with Borosilicate Glass

Due to the low expansion of glass and easy workability, this glass can be shaped, formed, joined into the complicated apparatus. It can keep on changing till he gets what he needs. In case where annealing in a controlled oven is difficult he can do so by flame annealing which is also great advantage.

Optical Properties

Laboratory glassware made from the Borosilicate Glass shows no noticeable absorption in the visible region of the spectrum. It appears consequently clear and colorless. When treated with proper care Dewsil Laboratory apparatus will give long and satisfactory services. The following prepared notes are to assist users in obtaining the maximum life and performance from their apparatus. Our sales department will be happy to advise on any aspect concerning the safe use of our products.

Contact chemical	Duration in hour	Loss in wt.mg/mp
Water distilled at 1000 c	6	10
Water Vapour Steam at 1210 c	1	75
Acid HCl	6	100
80 %H ₂ SO ₄ at 1300 c	12	140
Alkali-1N soln. id NA ₂ CO ₃ boiling	6	4000
Infusion fluids isotonic		
NaCl(0.85%)1210 c	2.5	50
Glucose(5%) 121sc	2.5	50

Heating and Cooling

Glass may suffer damage in three ways:

1. It may break under thermal stress in the steady state that is when there is established constant thermal gradients through the glass.
2. It may break under the transient stress of a 'thermal shock' that is sudden heating or cooling.
3. It may if heated beyond certain temperature acquire a permanent stress on cooling which could cause subsequent failure.

The following precautions measures will assist in avoiding failure during heating and cooling procedures.

1. Never leave vessel unattended when evaporation work is being carried out. The vessel may crack or explode as dryness conditions are approached if the heat source is not adjusted correctly. Lower the temperature gradually as the liquid level drops.
2. Always use caution when removing glassware from a heat source and avoid placing on a cold or damp surface. Although the ware can withstand extreme temperature sudden temperature changes may cause the vessel to break.
3. Always cool vessels slowly to prevent thermal breakage.
4. Never apply heat to badly scratched or etched vessel as the thermal strength will have been greatly reduced.
5. Never apply point source heating to vessel as this will greatly increase the chance of breakage.
6. Always diffuse the heat source by using a metal gauze or air/water bath. Alternatively ensures even heating of the vessel by slow movement of the vessel in relation to the heat source.
7. Adjust Bunsen burner to get a large soft flame. It will heat slowly but also more uniformly. Uniform heat is critical factor for some chemical reactions.
8. Ensures that the flame contacts the vessels below the liquid level. Heating above that level will invite breakage of the vessel.
9. Always use anti-bumping devices in the vessel, such as powered pumice or glass wool rapid heating of the vessel and contents is required.
10. Never use material with sharp edges such as broken porcelain as an anti-bumping device. This will cause internal abrasion and reduced the mechanical and thermal strength of the vessel.
11. Thick walled glassware should not be subjected to direct flame or other localized heat source. Vessel of this type is best heated with the use of an electric immersion heater.
12. Avoid heating glassware over electric heaters with open elements. Uneven heat of this type can include localized stress and increase the chance of breakage.
13. Remember that the hot plate will retain heat long after the appliance has been switched off.
14. Always ensures that the surface of the hot plate is larger in area than the base of the vessel being heated. An under-sized plate of the job in hand will invite uneven heating and promote breakage of glassware.
15. Always ensures that manufactures instructions are followed when electrical heat source.

Mixing and Stirring

1. Always use a policeman's or similar device on stirring rods to prevent scratching the inside of a vessel.
2. When using a glass vessel with a magnetic stirrer always use a covered follower to prevent abrading the inside of the vessel.
3. When using glass or metal mechanical stirrer in glass vessel always predetermined the height of the stirrer before use to ensure there is no contact between the stirrer blade and the bottom or sides of the vessel.
4. Never mix sulphuric acid and water inside a glass measuring cylinder. The heat of reaction can break the base of the cylinder.

Vacuum and Pressure

1. Never use glassware beyond the recommended safe limit.
2. Always use a safety screen when working with glassware subjected to pressure or vacuum.
3. Never subject glassware to sudden pressure changes. Always apply and release positive and negative pressures gradually.

Joining and Separating glass apparatus

1. When storing glass stopcock and joints, insert a thin strip of paper between joints surface to prevent sticking.
2. Never store stopcock for long periods with lubricants still on the ground surfaces.
3. Glass stopcock on Burettes and separation funnels should be lubricated frequently to prevent sticking.
4. If a ground joint stick separation can generally be achieved by carefully recking the cone in the socket or gently tapping of the socket flange on a wooden surface or by heating the socket and not the cone in a localized flame. The use of penetrating oil will often prove useful in aiding separation.
5. In using lubricants it is advisable to apply light coat of grease completely around the upper part of the joint. Use only a small amount and avoid greasing that part of the joint which contacts the inner part of apparatus.

6. Three type of lubricants are commonly use on standard taper joints.
 - a. Hydrocarbon grease is the most widely used. It can be easily remove by most laboratory solvent, including acetone.
 - b. Because hydrocarbon grease is so easily removable, silicon grease is often preferred for higher temperature or high vacuum applications. It can be removed readily with chloroform.
 - c. For long term reflux or extraction reactions water soluble organic and insoluble grease, such as glycerin, is suitable. Water will clean glycerin. There are other type of glasses which can be used specifically when certain reagents are used in the Burettes or separating funnels.
7. The use of water, oil or glycerol is recommended on both tubing and rubber bung when inserting glass tubing into a bung. Always wear heavy protective gloves or similar protections when carrying out this operation.
8. Always fire polishes rough ends of glass tubing before attempting to insert into flexible tubing. The lubricants recommended above may also prove useful.
9. Never attempt to pull a thermometer out of a rubber bung. Always cut the bung away.

Personal Safety

1. Use tongs to asbestos gloves to remove all glassware from heat. Hot glass can cause severe burns.
2. Protective gloves, safety shoes, aprons and goggles should be worn as safety chemical accidents, spilling or splattering.
3. Always flush the outside of acid bottle with water before opening. Do not put the stopper on the counter top where someone else may come with acid residue.
4. Special care is needed when dealing with mercury. Even a small amount of mercury in the bottle o f a drawer can poison the room atmosphere. Mercury toxically is cumulative and the elements ability to amalgamate with a number of metals is well known. After an accident involving mercury the area should be cleaned carefully until there are no globules remaining. All mercury containers should be kept well stoppered.
5. Never drink from a beaker. A beaker left specifically for drinking is a menace to the laboratory. Do not taste chemicals for identifications. Smell chemicals only when necessary and by waiting a small amount of vapors towards the nose.
6. Avoid pipeting by mouth, particularly when using concentrated acid, alkalis or potentially biohazard us materials. Use mechanical means such as a rubber bulb or an automatic dispenser.
7. Never fill receptacle with material other than that called for by the labels. Label all containers before filling. Throw away contents of unlabelled containers.
8. To avoid breakage when clamping glassware do not permit glass- to – metal contact and do not excessive force to lighten the clamps.
9. Do not look down into a test tube being heated or containing chemicals and do not point its open end at the another person. A reaction might cause the content to be ejected, resulting in injury.
10. Spattering from acids, caustic material and strong oxidizing solutions on the skin or clothing should be washed off immediately with large quantities of water.
11. When working with chlorine, hydrogen sulphide, carbon monoxide, hydrogen cyanide and any other very toxic substance, always use a protective mask or perform these experiments under a fume hood on a well ventilated area.
12. In working with volatile materials, remember that heat cause expansion and confinement of explosion. Remember also that danger exist even though external heat is not applied.
13. Perchloric acids are especially dangerous because it explodes on contact with organic material. Do not use perchloric acid around wooden benched or tables. Keep it wear protecting clothing.
14. When using hot plates and other electrical equipments ensures the wire and plugs are in good conditions. Never handle electrical connections with damp hands.

CLEANING

Successful experiments results can only be achieved by using a clean apparatus. In all instances laboratory glassware must be physically clean, in nearly all cases it must be chemically clean and in specific cases it must be bacteriologic ally clean or sterile. There must be o trace of grease and the safest criteria of cleanliness is the uniform wetting of the glass surface by distilled water this being of the utmost importance for glassware used for volumetric methods. Any prevention of uniform wetting of the surface will introduce errors such as distortion of the meniscus and accuracy of volume.

GENERAL CLEANING

1. Cleaning of glassware which has contained hazardous materials must be solely undertaken by experienced personal.
2. Most new glassware is slightly alkaline in reaction. For precision chemicals tests, new glassware should be soaked several hours in acid water before washing.
3. Glassware which is contaminated with blood clots, culture media, etc. must be sterilized before cleaning.

4. If glassware become in duly clouded or dirty or contains coagulated organic matter, it must be cleaned with chromic acid cleaning solution. The dichromate should be handled with extreme care.
5. Wash glassware as quickly as possible after use but if delays are unavoidable the articles should be allowed to soak in water.
6. Grease is removed by weak sodium carbonate solution or acetone or fat solvent. Never use strong alkalis.
7. HOT WATER WITH RECOMMENDED DETERGENTS SHOULD BE USED AND IF GLASS IS EXCEPTIONALLY dirty a cleaning power with a mild abrasive action can be applied provided the surface is not scratched.
8. During washing all parts of the articles should be thoroughly scrubbed with a brush selected for the shape and size of the glassware. Brushes should always be in good condition to avoid any abrasion of glassware.
9. When chromic acid solution is used the item may be rinsed with the cleaning solution or it may be filled and allowed to stand. The amount of time should depend on amount of contamination on the glassware.
10. Special type of precipitate material may require removal with nitric acid, aqua regia or fuming sulphuric acid. These are very corrosive substances and should be used only when required.
11. Drying can be undertaken either in baskets or on pages in air or at a temperature not exceeding 1200 C.
12. Always protect clean glassware from dust by use of temporary clousers or by placing in a dust free cabinet. For cleaning specific type of glassware, please refer the following pages.

Cleaning Specific Types of Glassware Pipettes

Place pipettes tips down, in a cylinder or tall jar of water immediately after use. Do not drop them into the jar, since this may break or chip the tips and render the pipettes useless for accurate measurements. A pad of cotton or glass wool at the bottom of the jar will help to prevent breaking of the tips. Be certain that the water level is high enough to immerse the greater portion or all of each pipette. At a convenient time the pipettes may then be drained and placed in a cylinder or jar of dissolved detergent or, if exceptionally dirty in a jar of chromic acid cleaning solution. After soaking for several hours or overnight drain the pipette in distilled water for at least one hour. Remove from the distilled water, dry the outside with a cloth, shake out the water and dry.

BURETTES (WITH GLASS STOPCOCK)

1. Remove the stopcock key and wash the burettes with detergent and water.
2. Rinse with tap water until all the dirt is removed. Then rinse with distilled water and dry.
3. Wash the stopcock key separately. Before the stopcock key is replaced in the burettes stopcock key are not interchangeable.
4. Always cover burettes when not in use.

Culture Tubes

1. Culture tubes which have been used previously must be sterilized before cleaning. The best general method for sterilized culture tubes is by autoclaving for 30 minutes at 1210 C. Media which solidify on cooling should be poured out while the tubes are emptied, brush with detergent and water, rinse thoroughly with tap water, rinse with distilled water, place in a basket and dry.
2. If tubes are to be filled with a medium which is sterilized by autoclaving, do not plug until the medium is added. Both medium & tubes are thus sterilized with one autoclave.
3. If the tubes are to be filled with a sterile medium or if they are to be sterilized by the fractional method then sterilize tubes in the autoclave or dry air sterilize before adding the medium.

Serological Tube

1. Serological Tubes should be chemically clean but need not be sterile. However specimens of blood which are to be kept for some time at room temperature should be collected in a sterile container. It may be expedient to sterilize all tubes as routine.
2. To clean and sterilize tubes containing blood, discard the clots in a waste container and place the tubes in a large basket. Put the basket with others, in large bucket or boiler. Cover with water, add a fair quantity of soap or detergent and boil for 30 minutes. Rinse the tubes and clean with brush, rinse and dry with the usual precautions.
3. It is imperative when washing serological glassware that all acid, alkali and detergent be completely removed. Both acid alkali in small amounts destroy complement and in large amounts produce hemolysis. Detergent interferes with serological reactions.
4. Serological tubes and glassware should be kept separate from all other glassware and used for nothing except serological procedures.

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DEWSILTM

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PRICE LIST
2019-20

CIN No. :- U74999DL2015PTC 276814







DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :-AIR CURTAIN & AUTOCLAVE VERTICAL

Name and Code	Pics	Specification and Size	Unit Price
AIR CURTAIN-		Made of Cold rolled mild steels, designed for uniform air with minimum noise and no variation. Motor used are off continuous rating with sealed ball bearing High velocity model (app.10 meter/sec.)	
10005		Size door width 600 mm (2 Feet)	
10010		Size door width 900 mm (3 Feet)	
10015		Size door width 1200 mm (4 Feet).	
<u>AUTOCLAVE VERTICAL-</u>		Inner Chamber 304 Grade S.S. & Outer M.S. Provided with Wing nut type locking Arrangement, Spring Loaded Safety Valve, Steam pressure 5 to 20 psi, Pressure Gauge, Pressure Release Valve, Water Level Indicator & drain Valve.	
10101		Size - 250 x 450mm(10*18") Capacity - 22 Liter, Load 2 kw.	
10102		Size - 300 x 500mm(12*20") Capacity - 40 liter, Load 2 Kw	
10103		Size - 350 x 550mm (14**22") Capacity - 50 liter, Load 3 Kw.	
10104		Size - 400 x 600mm (16**24") Capacity - 78 liter, Load 4 Kw	
10105		Size : 450 x 600mm (18**24") Capacity 98 liter, Load 4 Kw	
AUTOCLAVE VERTICAL HIGH PRESSURE (DRY STERLIZATION)		Triple walled, Inner Chamber 304 Grade S.S. & Outer M.S. Provided with Wing radial type locking Arrangement, Steam pressure 5 to 20 psi, Spring Loaded Safety valve, Pressure Release Valve, Water Level Indicator & Drain Valve.	
10110		Size: 300 x 500mm(12**20") Capacity : 40 Ltr, Load 4 Kw	
10111		Size : 350 x 550mm (14**22") Capacity : 50 Ltr, Load 4 Kw	
10112		Size : 450 x 600mm (18**24") Capacity : 98 Ltr, Load 6 Kw	
10113		Size : 550 x 750mm (22**30") Capacity : 98 Ltr, Load 6 Kw	




DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- AUTOCLAVE

AUTOCLAVE HORIZONTAL		Triple wall, Inner SS grade 304 grade, outer made of MS painted, Ring & Radial locking system, Three way valve or multiport valve, Pressure 5 to 20 psi, Pressure Control switch, Water lave indicator, Vacuum beaker, Temperature gauge, steam trap	
10120		Size- 400*600mm (16" * 24") load 9Kv	
10122		Size- 500*900mm (20" * 36") load 9Kv	
10123		Size -400*1100mm (16"*44") load 12Kv	
AUTOCLAVEPORTABLE Aluminum		Made of Aluminum Pressure Gauge 20 psi, Spring loaded safety valve, Electrical fittings, Stand, Cord, Plug, with tripod Stand.	
10140		Size 300*300mm (12"*12")	
10141		Size 300*375mm (12"*15")	
AUTOCLAVEPORTABLE- Stainless Steel		Made of S.S. Pressure Gauge 20 psi, Spring loaded safety valve, Electrical fittings, Stand, Cord, Plugwith tripod Stand.	
10142		Size - 300*300mm (12"*12")	
10143		Size 300*375mm (12"*15")	
VERTICAL AUTOCLAVE (IMPORTED)		Max Working Temperature : 134°C Max Working Pressure : 0.22mpa Time Range : 0-80min Temperature Range : 115°C-129°C Sterilization Chamber : Φ280*477mm Power : ACC220V/50Hz/2.5KW	
10145		Volume : 35L	
10146		Volume : 50L	




DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INCUBATOR


BACTERIOLOGICAL INCUBATOR (THERMOSTATE MODEL)-		Inner chamber S.S. 304 grade, Outer M.S Powder Coated, Adjustable perforated selves, Temp. ambient to 90⁰C, L shaped prismatic thermometer, Air ventilator Air circulation fan to work 220/230 volts AC.	
10200		Size -300*300*300 mm (12*12*12") 28 liter	
10201		Size- 355*355*355 mm (14*14*14") 43 liter	
10202		Size - 455*455*455mm (18*18*18") 90 liter	
10203		Size- 455*455*605 mm(18*18*24") 105 liter	
10204		Size- 605*605*605mm (24*24*24") 215 liter	
10205		Size- 605*455*910mm (24*18*36") 240 liter	
10206		Size- 605*605*910mm (24*24*36") 325 liter	
BACTERIOLOGICAL INCUBATOR (DIGITAL)		Inner chamber S.S. 304 grade, Outer M.S Powder Coated , Adjustable perforated selves, Temp. ambient to 90⁰C, PID Controller with timer, Air ventilator, to work 220/230 volts AC.	
10211		Size -300*300*300 mm(12*12*12") 28 liter	
10212		Size -355*355*355 mm (14*14*14") 43 liter	
10213		Size - 455*455*455 mm (18*18*18") 90 liter	
10214		Size.455*455*605 mm (18*18*24") 105 liter	
10215		Size 605*605*605 mm (24*24*24") 215 liter	
10216		Size 605*455*910 mm (24*18*36") 240 liter	
10217		Size 605*455*910 mm (24*18*36") 325 liter	
<u>B.O.D. INCUBATOR (LOW TEMP.) DIGITAL</u>		Triple wall, Inner SS 304 Outer MS with Powder Coated, , Two Air Circulation fan, Double wall outer door, 3 SS tray, Temp. rang 5⁰C to 60⁰C Controlled by PID Controller,	
10251		Size: (455*610*410 mm) (18*24*16") 117 liter, 4 Cu.Ft	
10322		Size: (505*415*830 mm) (18*24*16") 171 liter, 6.1 Cu.ft	
10323		Size: (570*550*875 mm) (23*35*22") 280 liter, 10 Cu. Ft	
10324		Size: (505*415*830 mm) (18*24*16") 336 liter, 12Cu.ft	
10325		Size: (505*415*830 mm) (18*24*16") 420 liter, 15 Cu.ft	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- BOD & ORBITOL INCUBATOR


<u>B.O.D. INCUBATOR SHAKER Combined(LOW TEMP.) DIGITAL</u>		Triple wall, Inner SS 304, Outer MS with Powder Coated, Air Circulation fan, double wall outer door, 2 SS tray, Temp. rang 5 ⁰ C to 60 ⁰ C Controlled by PID Controller with timer	
10331		Size - for 9 flask of 500/250ml	
10332		Size- for 16 flask of 500/250ml	
<u>ORBITAL INCUBATOR SHAKER (Heating)-</u>		Double wall, Inner SS 304 Outer MS with Powder Coated with rid to hold tray, SS Shaking Platform , Digital Temp. Control Ambient +-5 ⁰ C to 70 ⁰ C, Accuracy 0.5 ⁰ C,	
10341		Size- 9 flask of 250/500 ml	
10342		Size- 455*610*400 mm (16 flask of 250/ 500 ml or 25flask of 100ml or 36 flask of 50 ml)	
10343		Size - 25 flask of 250 ml	
<u>ORBITAL INCUBATOR SHAKER (Cooling)</u>		Double wall, Inner SS 304 Outer MS with Powder Coated with rid to hold tray, SS Shaking Platform, Digital Temp. Control 5 ⁰ C to 70 ⁰ C, Accuracy 0.5 ⁰ C,	
10343		Size - (9 flask of 250/500 ml)	
10344		Size - 455*610*400 mm (25flask of 100ml or 36 flask of 50 ml	
10345/-		Size -455*610*400 mm (16 flask of 250/500ml)	

DEWSIL :- OVEN




<u>OVEN UNIVERSAL (THERMOSTATE)-</u>		Inner chamber S.S. 304, Outer M.S., Three side element with ni-chrome wire, Adjustable perforated 2 selves, Temp. ambient to 130 ⁰ C, L shaped prismatic thermometer, air ventilator, air circulation fan to work 220/230 volts AC,	
10401		Size- 300*300*300 mm(12*12*12") 28 Liter	
10402		Size- 355*355*355 mm(14*14*14") 43 Liter	
10403		Size -455*455*455 mm(18*18*18") 90 Liter	
10404		Size -455*455*605 mm (18*18*24") 105 Liter	
10405		Size- 605*455*910 mm (24*18*36") 240 Liter	
10406		Size 605*605*910 mm (24*24*36") 325 Liter	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- OVEN

OVEN UNIVERSAL (DIGITAL)-		Triple Wall, Inner chamber S.S304, Outer M.S, Adjustable perforated 2/3 selves, Temp. ambient to 200°C, Tubular Air Heater, PID Microprocessor controller, Heavy duty Air Circulating Motor and Blower, air ventilator, to work 220/230 volts AC .	
10411		Size- 300*300*300 mm(12*12*12")	28 Liter
10412		Size- 355*355*355 mm(14*14*14")	43 Liter
10413		Size- 455*455*455 mm(18*18*18")	90 Liter
10414		Size- 455*455*605 mm (18*18*24")	105 liter
10415		Size -605*455*910 mm (24*18*36")	240 liter.
10416		Size- 605*605*910 mm (24*24*36")	325 liter

DEWSIL :- HUMIDITY & TEMP. CONTROL CABINET


HUMIDITY & TEMP. CONTROL CABINET (Heating) Digital		Inner chamber SS.304, Outer MS with Powder Coated, Air Circulation fan, Temp. Ambient +5°C to 60°C Control Microprocessor Digital temp controller, Humidity range 30% RH to 95% RH Accuracy +0.5°C.	
10450		Size- 455*455*455 (18*18*18")	
10451		Size- 605*605*605 (24*24*24")	
10452		Size -605*910*605 (24*36*24")	
HUMIDITY & TEMP. CONTROL CABINET (Cooling) Digital		Inner chamber SS.304, Outer MS with Powder Coated, Air Circulation fan, Temp. 5°C to 60°C Microprocessor Digital temp. controller, Humidity range 30% RH to 95% RH Accuracy +0.5°C.	
10461		Size -455*455*455 (18*18*18")	
10462		Size - 605*605*605 mm(24*24*24")	
10463		Size - 605*910*605 mm (24*36*24")	
OVEN & INCUBATOR COMBINED (Digital)		Double wall, Dual Chamber , Inner SS304, Outer MS with powder coated, Temp. ambient to 60°C +1°C & ambient to 220°C 1°C, Digital PID Controller for both, Timer Tubular Air Heater for oven, 2/3 SS tray,	
10471		Size -inner 355*355*355mm (14*14*14")	each
10472		Size- inner 455*455*455mm (18*18*18")	each
10473		Size -inner 455*455*605mm (18*18*24")	each
10474		Size -inner: 605*605*605mm(24*24*24")	each

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- SEEDGERMINATOR

SEEDGERMINATOR (Single Cham.) Digital Temp. Controller		Double wall, Single Chamber, Inner SS304, Outer MS with powder coated, Temp. 5°C to 50°C +1°C Microprocessor digital temp. Digital Humidity Controller created in a S.S water reservoir Provide 60% to 95 % RH+-3% Humidity. S.Steel,14 adjustable perforated tray.
10480		Size-(22*24*36") 550*605*910mm
SEED GERMINATOR (Dual Chamber) Digital Temp. Controller		Double wall and Dual Chamber, Inner SS304 Outer MS with powder coated, Temp. 5°C to 50°C +1°C Microprocessor temp. Digital Humidity Controller S.S water reservoir to provide 60% to 95 % RH+- 3% Humidity. S. S 14 adjustable perforated tray. Each Chamber:
10485		Size- 550* 605* 910mm(22*24*36")

DEWSIL :- BLOOD BANK REFRIGERATOR






BLOOD BANK REFRIGERATOR Digital Controller		Double wall, Inner SS, Outer MS Powder coated, Glass viewing window, Temp. Maintained 4°C to 6°C for storage of Bag & Bottles, Temp. control by Solid state Digital indicator- Cum Controller, triggers, Audio Visual Alarm, Door alarm, Power failure alarm, Drawers for holding bags
10501		Capacity 50 Blood Bags (85 Liters)
10502		Capacity 110 Blood Bags (165 Liters)
10503		Capacity 200 Blood Bags (200 Liters)
10504		Capacity 250 Blood Bags (280 Liters)
10505		Capacity 360 Blood Bags (360 Liters)

DEWSIL :- DEEP FREEZER






DEEP FREEZER VERTICAL -20 ⁰ (Digital)		Double wall, Inner SS grade 304, Outer MS Powder Coated, Temp Ambient to -20°C Microprocessor Digital temp./timer / Indicator cum controller
10551		Size - Inner 4 Cuft., 112 liter, 455*410*610mm
1055		Size - Inner 6 Cuft., (171 Liter) (505*415*830mm)
10553		Size :- Inner 10Cuft, (280 liter) (565*565*865mm)
10554		Size Inner12Cuft., (336 liter) (650*580*900mm)

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- DEEP FREEZER



DEEP FREEZER HORIZONTAL-20⁰ C (Digital Control) (Chest type) 10561 10562 10563		Double wall, Inner SS grade 304/Plastic, Outer MS Powder Coated, Temp Ambient to -20 ⁰ C Controlled by Microprocessor Digital temp. Indicator cum controller	
		Size - Inner 4 Cuft., (112 liter)	
		Size - Inner 6 Cuft., (171 liter)	
		Size Inner 10 Cuft., (280 liter.)	
DEEP FREEZER VERTICAL -40⁰ C (Digital Control) 10571 10572 10573 10574		Double wall, Inner SS grade 304, Outer MS Powder Coated, Temp Ambient to -40 ⁰ C controlled by Microprocessor Digital temp. Indicator cum controller	
		Size -Inner 4 Cuft.(112 liter.) (455*410*610mm)	
		Size - Inner 6 Cuft., (171 liter) (505*415*830mm)	
		Size- Inner 10Cuft., (280 liter) (565*565*865mm)	
		Size Inner12Cuft., (336 liter) (650*580*900mm)	
DEEP FREEZER HORIZONTAL-40⁰ C (Chest type) (Digital Control) 10576 10577 10578		Double wall, Inner SS grade 304/Plastic, Outer MS Powder Coated, Temp Ambient to -40 ⁰ C controlled by Microprocessor Digital temp. Indicator cum controller,	
		Size - Inner 4 Cuft. (112 liter)	
		Size - Inner 6 Cuft. (171 liter)	
		Size Inner 10 Cuft. (280 liter)	
DEEP FREEZER VERTICAL -80⁰ C (Digital Control) 10581 10582 10583		Double wall, Inner SS grade 304,Outer MS Powder Coated, Temp Ambient to -80 ⁰ C(Working -70 ⁰ C) controlled by Microprocessor Digital temp. Indicator cum controller,	
		Size - Inner 4 Cuft.(112 liter) (455*410*610mm)	
		Size - Inner 6 Cuft., (171 liter) (505*415*830mm)	
		Size- Inner 10Cuft., (280 liter) (565*565*865mm)	
DEEP FREEZER HORIZONTAL-80⁰ C (Chest type) (Digital Control) 10576 10577 10578		Double wall, Inner SS grade 304/Plastic, Outer MS Powder Coated, Temp Ambient to -80 ⁰ C controlled by Microprocessor Digital temp. Indicator cum controller,	
		Size - Inner 4 Cuft. (112 liter)	
		Size - Inner 6 Cuft. (171 liter)	
		Size Inner 10 Cuft. (280 liter)	

DEWSIL INSTRUMENT LIST 2019-20



DEWSIL :- FURNACE , VACUUM OVEN & LAMINAR FLOW			
MUFFLE FURNANCE DIGITAL -upto 1000⁰c (Digital)		Double Wall, Outer made of MS Powder Coated Inner high grade refractory cement Ceramic, PID Tempe. Controlled, Timer, Temp Up to 1000 ⁰ C (Working 900 ⁰ C)	
10600		Size -100*100*225mm (4*4*9")	
10601		Size -125*125*250mm (5*5*10")	
10602		Size-150*150*300mm (6*6*12")	
10603		Size -200*200*300mm (8*8*12")	
10604		Size -250*250*300mm (10*10*12")	
10605		Size- 300*300*300mm (12*12*12")	
MUFFLE FURNANCE DIGITAL-Upto1200⁰ Digital		Double Wall, Outer made of MS Powder Coated, Inner high grade refractory cement Ceramic, PID Tempe. Controlled, Timer , Temp Up to 1200 ⁰ C (Working 1100 ⁰ C),	
10611		Size -100*100*225mm (4*4*9")	
10612		Size -125*125*250mm (5*5*10")	
10613		Size-150*150*300mm (6*6*12")	
10614		Size -200*200*300mm (8*8*12")	
10615		Size -250*250*300mm (10*10*12")	
10616		Size- 300*300*300mm (12*12*12")	
<u>VACUUM OVEN</u> <u>Digital</u>		Outer M.S. duly powder Coated, Inner SS304, Digital Temp Control, Accuracy +-2 ⁰ C, Vacuum Gauge, transparent window, Vacuum Pump	
10640		Inner Size Round 200*250mm(8"*10")	
10640		Inner Size Round 250*300mm(10"*12")	
AIR LAMINAR FLOW CABINET		Inner Platform SS 304 grade ,Side panel Thick Transparent flexi Sheet, Outer MS Powder Coated Illumination 1*20 w fluorescent light)(One U.V Light) Filter efficiency rating 99.97% Airborne particle size 0.3 micron	
10651		Size :- 2' *2' *2' feet, HEPA Filter 2*2*6 "	
10652		Size :- 3*2*2 feet ,HEPA Filter 3*2*6 "	
10653:-		Size :- 4' *2' *2' feet, HEPA Filter 4*2*6 "	
10654		Size :- 6' *2' *2' feet, HEPA Filter 3*2*6 " (2 Ps)	
AIR LAMINAR FLOW CABINET- (Deluxe Model)		Inner Platform SS 304 grade Side panel Thick Transparent flexi Sheet, Illumination 1*20 w fluorescent light (One U.V Light) Filter efficiency rating 99.97%, Airborne particle size 0.3 microns ,	
10661		Size :- Inner 2' *2' *2feet, HEPA Filter 2*2*6 "	
10662		Size :- Inner 3*2*2 feet, HEPA Filter 3*2*6 "	
10663		Size :- Inner 4' *2' *2feet, HEPA Filter 4*2*6 "	
10664		Size :- 6' *2' *2' feet HEPA Filter 3*2*6 " (2pcs)	

DEWSIL INSTRUMENT LIST 2019-20






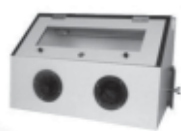

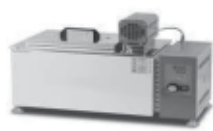
DEWSIL :- FUME HOOD

FUME HOOD		Fitted wooden board, Inner with SS or Alkali / Acid resistant tiles, small wash basin with inlet & outlet, fluorescent light, Gas cock , Air supply, Note:- Extra Charge PVC fume Duct @550 per running feet	
10671		Size :-3*2*2 feet	
10672		Size :-4*2*2 feet	
10673		Size :- 5*2*2 feet	
10674		Size :- 6*2*2 feet	
BIOLOGICAL SAFETY CABINET,		Fabricated of thick board with sun mica clad, Inner SS304 fitted with Germicidal light, Fitted with pre filter % HEPA filter size 1.5 "x2 "x6 " , Illuminated by fluorescent light, UV light, Extra:- Charge Exhaust Ducting @ 1650/-per feet Virus Burn Out of unit @32500/-	
10680		Size :- 3 "x2 "x2 "Feet	
10685		Size :- 4 "x2 "x2 "Feet	
10687		Size :- 6 "x2 "x2 "Feet	

DEWSIL :- ICE MACKING MACHINE

ICE MACKING MACHINE:-		Body made of Stainless Steel 304 Exterior Automatic low water Cut off Cooling Type : Air Cooling Refrigerant : R134a	
10701		Capacity : 25Kg/24Hr	
10702		Capacity : 30Kg/24Hr	
10703		Capacity : 60Kg/24Hr	
10704		Capacity : 90Kg/Hr	
CENTRIFUGE MACHINE		Medico Centrifuge Machine with one Rotor Head RPM 3500	
10750		A- Rotor head 4*15ml or 6*15ml or 8*15ml or	
10751		B- Rotor Head 4*50 ml	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INSTRUMENTS			
CENTRIFUGE MACHINE		Digital RPM Control, Timer	
10751		4200 RPM 8*15 ml	
10752		6500 RPM 8*15 ml	
10753		9500 RPM 6*15 ml @	
CENTRIFUGE MACHINE -10755		Micro Centrifuge Machine Digital, 9000 RPM, 12 tube of 2 ml or 1.5 ml With Rotor Head,	
CENTRIFUGE MACHINE		Micro Centrifuge Machine Digital, With Rotor Head, Extra :- Angle head @14150/-	
10760		20000 RPM, 12 tube of 2 ml or 1.5 ml	
10761		16000 RPM on angle head 24*1.5 ml	
10762		13000 RPM on angle head 6*50 ml	
10663		12500 RPM on angle head 4*100 ml	
10764		13000 RPM on angle head 8*15 ml	
COD DIGESTION APPARATUS- 10800		Digital Temp. indicator-cum controller, Provision for 15 sample and 15 glass vessels, Air Condenser, sample digestion at a time 38 mm, fitted with 2 Hour timer, using calorimeter or conventional titration Method.	
COLONY COUNTER DIGITAL- 10810		4 Digit LED Display, Counting Plate with illuminated standard, Digital Increments of count by 1, Maxi. Colony count 9999, 100mm dia lens	
Tissue Culture Hood - 10840:-		Made of sun mica clad thick wooden, front fitted with transparent flexi Glass UV /florescent Size 1200*600*600mm (4*2*2 Feet)	
ROTAMANTLE-		Design for simultaneous uniform heating by heating mantles, two tier constructions, upper compartment consisting heating element, heating energy controlled by energy regulator, speed controller.	
10845		Capacity 1 Liter	
10846		Capacity 2 Liter	
10847		Capacity 5 liter	
OIL BATH HIGH TEMPERATURE		Double wall, Inner SS, Outer MS Powder Coated, Digital Temp Controlled ambient to 250°C +- 0.2°C, Speed controller.	
10890		250*250*250mm (12 Ltr)	
10891		300*300*250mm (20 Ltr)	
10892		355*355*250mm (26 Ltr)	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- WATER BATH			
<u>WATER BATH</u> <u>RECTANGULAR</u> (Single Wall)		Single Wall, Made of SS 304 with concentric ring	
10900		Size - (6 hole 75 mm)300*250*100	
10901		Size- (12 hole 75 mm)355*405*100	
<u>WATER BATH</u> <u>RECTANGULAR-</u> (Double Wall)		Double Wall Made of SS 304 with concentric ring	
10905		Size :- (6 hole 75 mm) 300*250*100	
10906		Size :- (12 hole 75 mm)355*405*100	
<u>WATER BATH</u> <u>RECTANGULAR</u> <u>(Digital)</u>		Digital Temp . Control, Double Wall , Inner SS 304 with connecting Ring, Outer Made of MS powder Coated	
10910		Size- (6 hole 75 mm) 300*250*100	
10911		Size - (12 hole 75 mm) 355*405*10	
SEROLOGICAL WATER BATH (Digital)		Digital Temp. Control, Double wall, Inner Chamber SS 304, Outer M.S. Powder Coated Tubular Heating Elements Ambient to 90°C	
10920		Size - 300*250*175 mm, 2 rack	
10921		Size - 300*300*175mm, 4 rack	
10922		Size - 455*300*175mm, 6 rack	
10923		Size - 455*455*175mm, 8 rack	
HIGH PRECISION WATER BATH Digital :-10930-		Double wall, Inner SS 304, Outer MS Powder Coated, Digital temp control, Speed regulator Glass window, High speed stirrer with motor, work ambient to 100°C +-1°C, Size 430*240*265 mm (Approx. 28 liter)	
WATER BATH INCUBATOR SHAKER Digital (Heating)		Double wall, Inner SS304, Outer MS Powder Coated, Shaking speed 40 to 140 Cycles pm, Shaking tray to hold Flasks 25 /50/ 100/250 or T Tube, Temp ambient to 100°C +-1°C,	
10940		275*275*150mm	
10941		405*300*150mm	
WATER BATH INCUBATOR SHAKER (Cooling Digital)-		Double wall, Inner SS304, Outer MS Powder Coated, Shaking speed 40 to 140 Cycles pm, Shaking tray to hold Flasks 25 /50/ 100/250 or T Tube, Temp. 5°C to 60°C +-1°C,	
10945		275*275*150mm	
10946		405*300*150mm	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- WATER BATH & OTHER			
CIRCULATING WATER BATH-(Heating Digital) -10955:-		Double wall, Inner SS304, Outer MS Powder Coated, Digital Temp Controlled, ambient to 90 ⁰ C +-0.5 ⁰ C Inside bath Size 8*9*10.5 Inches	
CIRCULATING WATER BATH-(Cooling Digital) -10955:-		Double wall, Inner SS304, Outer MS Powder Coated, Digital Temp Controlled, ambient to 90 ⁰ C +-0.5 ⁰ C Inside bath Size 500*250*250 mm	
ULTRA SONIC CLEANER Digital		SS Tank with Digital Timer & Heater, Heating Temp. Range 0⁰C to 80⁰C, Frequency 40kHz	
10990		Capacity 1.8 L (150*137*150)	
10991		Capacity 4.5 L (300*155*100)	
10992		Capacity 9.8 L (300*240*150)	
10993		Capacity 18 L (500*300*100)	
10994		Capacity 20 L (500*300*150)	
TISSUE FLOTATION BATH :- 10960		-Double wall, Inner SS, Outer MS Powder Coated, Temp. ambient to 80 ⁰ C +- 1 ⁰ C, Size 250*125 mm	
10961		Digital Model	
CARBON SULPHUR APPARATUS -10820:-		Both Carbon and Sulphur can determined in one action for dual determination in excellently suitable for routine analysis	
HEATING MANTLE (Made from Glass yarn)		Heating Mantle High Temp. Upto 300⁰c, One is Spun, Duly powder coated	
11001		Upto 500 m	
11002		1 Liter	
11003		2 Liter	
11004		3 Liter	
11005		5 Liter	
11006		10 Liter	
11007		20 Liter	
SPARE MANTLE Only		Only Spare Mantle for Mantle Only	
11010		Upto 500 m	
11011		1 Liter	
11012		2 Liter	
11013		3 Liter	
11014		5 Liter	
11015		10 liter	
11016		20 liter	





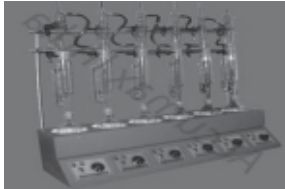



DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- HOT PLATE & MAGNETIC STIRREER

HOT PLATE ROUND (Cast iron Top)		Body made of PCR Sheet Powder Coated, Heating Element 1.5 Kw 8" Dia, Working Temp. Upto 300 ⁰ C	
11050		Energy Regulator	
11051		Digital Control	
HOT PLATE RACTANGULAR		Body made of PCR Sheet Powder Coated, Insulated Heating Element, Energy Regulator, Working Temp. Upto 300 ⁰ C	
11060		Size - 20*30*15CM (8*12*6")	
11061		Size - 25*40*15cm (10*16*6")	
11062		Size - 30*45*15cm (12*18*6")	
11063		Size - 45*60*15cm (18*24*6")	
HOT PLATE RACTANGULAR- Digital		PCR Sheet Powder Coated, Insulated, Digital Temp Controller, Heating Element. Working Temp. Upto 300 ⁰ C	
11070		Size - 20*30*15CM (8*12*6")	
11071		Size - 25*40*15cm (10*16*6")	
11072		Size - 30*45*15cm (12*18*6")	
11073		Size - 45*60*15cm (18*24*6")	
MAGNETIC STIRRERS (With Hot Plate-)		Body PCR Sheet Powder Coated, With Permanent Magnet, Heating Element 1.5 Kw, 8" Dia,	
11075		2 Liter Cap	
11076		5 Liter Cap.	
MAGNETIC STIRRERS (With Hot Plate) Digital		Body PCR Sheet Powder Coated, With Permanent Magnet, Digital Controller Heating Element 1.5 Kw, 8" Dia,	
11077		Size- 2 Liter Cap. Digital Temp.	
11078		Size - 5 Liter Cap. Digital Temp.	
MAGNETIC STIRRER W/O Hot Plate		MAGNETIC STIRRER Body PCR Sheet Powder Coated, With Permanent Magnet, Digital Controller	
11079		Size- 2 Liter Cap.	
11079		Size - 5 Liter Cap.	
HOT PLATE MAGNETIC STIRRER (Digital)- 11080		LCD Microprocessor Control, Speed 1250 Rpm, Volume Cap. 2000 ml, Top Plate Size Approx 135*135 mm Timer 999Minutes, Operator can setup the objective temperature, Hold temp. Stirring time and Speed.	






DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INSTRUMENTS/ EQUIPMENTS

CERAMIC HOTPLATE MAGNETIC STIRRER- 11085:-		Digital Display, Speed 100-1600rpm, Plate Size Approx. 190*90 mm, Maxi. Capacity 5ltr, Temp . 300°C, Accuracy $\pm 0.5^{\circ}\text{C}$,	
KJELDAHL DISTILLATION UNIT		for 300/500 or 800 ml Flask Provide with condenser rack and clamp all Glass parts	
11200		3 Test Mantle type	
11201		6 Test Mantle type	
KJELDAHL DIGESTION UNIT-		for Digestion for 300 or 500 ml flasks provided with LEAD FUME DUCT, Pair of hangers with all glass parts	
11210		3 Test Mantle type	
11211		6 Test Mantle type	
MICRO KJELDAHL DIGESTION UNIT- 11220:-		Outer MS Powder Coated with stove enamel for Micro flask cap. 30/50 or 100 ml including all Glass part, unit of 6 test mantle type.	
SOXHLET EXTRACTION UNIT		Outer MS duly Powder Coated for Flask cap. 50-500 ml , 2 vertical 2 horizontal rod with adaptors and screw to hold the Flasks with glass parts.	
11230		3 Test Mantle type	
11231		6 Test Mantle type	
KJELDAHL DIGESTION UNIT FOR 40 TUBES		Outer MS duly powder coated , 40 tube of 75 ml, Digital Temp Control with digital timer with glass part	
11240		40 Tube of 24 mm	
11241		20 tube of 38 mm	
LEAK TEST APPARATUS - 11280:-		Digital With Vacuum pump, Timer and Desiccators	
BALL MILL (Laboratory Type)-		Electrical operated few gram to 5 kg, Max. 80 RPM with steel ball for mixing and grinding.	
11300		Capacity 1 kg jar	
11301		Capacity 2kg jar	
11302		Capacity 5kg jar	







DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INSTRUMENTS/ EQUIPMENTS

LAB WILLEY GRINDER (ARTHUR H. THOMASTYPE)		Chamber fitted with hopper, Three Sieves of 20,40 & 60 mesh with Plastic receiver, removal flexi glass plate for observation .	
11306		40*25mm(0.25 HP)	
11307		65*25mm (0.25 HP)	
11308		100*50mm(0.50 HP)	
BOMB CALORIMETER- 11350:-		Calorific value and sulphur content of Coal, solid and liquid fuels, Bomb Capacity 300 ml approx. with high pressure Schroder valve. Calorimeter vassel, water jacket, combined LID Calorimeter vessel PUF jacket, Stirrer, Connecting leads, Connecting tube to connect bomb and pressure gauge, spanner for oxygen tube, Ignition wire 2 meterNicrome, Cotton reel stand, Pellets press, Digital Beckman thermometer, Benzoic Acid, O Ring small, O Ring or stirrer, valve key Oxygen cylinder small	
BOTTLE WASHING MACHINE		Electric operated with quick release chuck taking wide variety Interchangeable nylon brushes for cleaning. Syringes, test tubes, Bottles Etc.	
11360 (Uper model)		Table Model with 1/20 Hp variable Motor	
11361		Table Model with GI soaking Tank Size -30*20*18"	
11362		Table Model with SS soaking Tank Size - 30*20*18"	
DEONIZER (DOUBLE BED		Conductivity Meter Built per filter & very high exchanging capacity non corrosive CATION &ANION resin Columns purified for water conductivity less than 10 Micro siemens/ cm and pH 7.0 to 9.0 pH, Plastic chemical Proof regeneration tank &with trolley for easy to mobility.	
11370		Output 70 liter/hr.	
11371		Output 100 liter/hr.	
11372		Output 150 liter/hr.	
11374		Output 200 liter/hr.	
11375		Output 3000 liter/hr.	
DE- HUMIDIFIER		Fitted with time controlled safety device. Based on refrigeration cycle, self standing or mounted on a study angle iron frame, fitted with hermetically sealed compressor, heat exchanger , water condensing coils , SS collection tank, Controlled by automatic HUMIDISTAT incorporated upto 30% to +- 3% RH, depending to the conditions.	
11400		1 tone	
11401		1.5 tone	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INSTRUMENTS/ EQUIPMENTS

HUMIDIFIER (S.S. BODY) CAP. 5.00 LITERS-11410:-		<p>Based on rotating disc splash plate principal, body is made of SS 304, Capacity of Atomizing up to 3 liter /hour and full evaporation in the driest possible ambient conditions. Space of volume upto 40cu.Mts. Maxi. High speed RPM 2800 with aerodynamically balanced blades to ensure drop less fumigation, Control with digital humidity controller</p>	
FLASH POINT APPARATUS (Cleave Land Type):11450:-		<p>For determination of fire point of petroleum product except of fuel oil with open cup flash below 80°C, Brass cup, Heating Plate, Thermometer Clamp, Test Flame, attachment with swivel joints for passing over test liquid, electrically heated with regulator</p>	
MELTING POINT APPARATUS		<p>Melting Point upto 3500°C, aluminum block with 3 Capillary tube with mercury thermometer.</p>	
11460		<p>Energy Regulator</p>	
11461		<p>Digital Temp. Indicator</p>	
MELTING POINT DIGITAL (HIGH PRECISION APPARATUS): 11465:-		<p>Digital display on 3^{1/2} display, mini furnace controllable heating rate arrangement, Air circulating, Digital temp indicator, automatic cutoff, ambient to 350°C ±1°C</p>	
POLARIMETER FOR RESEARCH- 11480		<p>Highly accurate glass Optical design with sugar scale in SS unit, Angular scale 0 to 360° and sub divided to 1° for direct reading 0.05°, and estimation to 0.02 sugar degree, Sugar scale from 30° to 120°, complete with polarimeter tube, sodium lamp with half shadow.</p>	
11480		<p>Tube size 220 mm</p>	
11481		<p>Tube size 400 mm</p>	
FLOCCULATOR (JAR TEST APPARATUS) -		<p>Illuminated base consists of fluorescent tube mounted below translucent plastic plate to provide cold light through floc sample, SS Sitter rod Fitted heavy cast iron base, max. motor speed 10 to 200 rpm, Stirring paddles Speed regulator</p>	
11500		<p>Two stirrer</p>	
11501		<p>four Stirrer</p>	
11502		<p>Six Stirrer</p>	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INSTRUMENTS/ EQUIPMENTS






HOMOGENIZER (EMULSIFIER): 11510:-		Fitted with F.H.P motor, speed regulator, upto 4000 rpm with portable SS disc, having arrangement to move horizontal or vertical direction with stand.	
LABORATORY STIRRER:-		SS Sitter rod Fitted heavy cast iron base Max. motor speed 4000 rpm, height and angle adjustable, Speed regulator with chuck drill and timer.	
11520		1/20 HP Motor	
11521		1/8 HP Motor	
11522		¼ HP Motor	
11523		½ HP Motor	
RING & BALL APPARATUS (Motorized)-11530:-		Determination of temperature bituminous material drop on heated prescribed condition, two simultaneous test can be carried out. . Complete with Beaker, Thermometer and motorized stirrer .	
RING & BALL APPARATUS (Hand Operated)-11535:-		Determination of temperature bituminous material drop on heated prescribed condition, two simultaneous test can be carried out. Complete with Beaker, Thermometer.	
ABEE REFRACTOMER- 11550:-		Measuring Refractive index range 1.3 to 1.7 with accuracy of 0.001, Direct on scale 0.000, sugar range 0 to 95% +-1% (on scale 0.1 by estimation), complete with test piece, thermometer and in wooden cabinet.	
11551		A- circulating water bath Thermostatic extra	
ABBE REFRACTROMETER (DIGITAL LCD Display)-11555:-		Refractive IndexNd:-1.3000-1.7000 Measuring Range :- 0-95% Accuracy :-<-+0.0002, +>-0.1%, Temp range 0.-50°C, Temp. Resolution 0.1°C Correcting range of Brix :- 15-45°C, Temp. Range:-ambient to 35°C	
DIGITAL REFRACTROMETER (LCD Display)-11560		Refractive Index Nd:-1.3000-1.7000 Measuring Range :- 0-95% Accuracy :-<-+0.0002, +>-0.1%, Temp range 0.-70°C, Temp. Resolution 0.1°C Correcting range of Brix :- 15-45°C, Temp. Range:- ambient to 35°C	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- EQUIPMENTS/ SHAKERS			
HAND REFRACTOMETER-		This instruments are widely used Field work or lab for measuring sugar concentration of confectionery and Liquid.	
11565		Range:- 0 to 32% or 28 to 62% or 58 to 92%	
11566		Range:- 0 to 50 % or 40 to 85 %	
LABORATORY JACK: 11580		SS outer made of Mild Steel, Standard size	
		SS, Big Size	
VORTEX SHAKER (Test Tube Shaker)-11600:-		Mixing action controlled by varying the angle and pressure of tube, For Centrifuge tube, Test tube & small flasks, speed control arrangement	
V.D.R.L ROTATOR-11610		V.D.R.L Blood grouping Method, Plate form size 300-300mm, Spring holder	
11610		Fixed Speed at 180rpm	
11611		variable Speed	
KAHN (RECIPROCATING) SHAKING MACHINE		Kahn Racks for bottle or flasks of different size and adjustable compartments on shaking rack. Speed regulator from 140 to 250 rpm(approx)	
11620		Size :- 20*13*4"	
11621		Size :- 31*17*4"	
11622		Size :- 36*18*4"	
KAHN SHAKING MACHINE(RECIPROCATING) Digital		Kahn Racks for bottle or flasks of different size and adjustable compartments on shaking rack., Digital Speed controller, Digital timer from 140 to 250 rpm(approx)	
11630		Size :- 20*13*4"	
11631		Size :- 31*17*4"	
11632		Size :- 36*18*4"	
WRIST ACTION SHAKING MACHINE:-		Heavy Cast Iron with two side arms for holding flasks fitted with FHP Heavy duty Motor with variable speed, flask capacity 100 to 1000 ml.	
11640		hold 4 flask	
11641		hold 4 flask 4 top	
11642		hold 8 flask	
11643		hold 8 flask 4 top	
WRIST ACTION SHAKING MACHINE-Digital		Heavy Cast Iron with two side arms for holding flasks fitted with FHP Heavy duty Motor Digital variable speed, flask capacity 100 to 1000 ml.	
11650		hold 4 flask	
11651		hold 4 flask 4 top	
11652		hold 8 flask	
11653		hold 8 flask 4 top	

DEWSIL INSTRUMENT LIST 2019-20





DEWSIL :- SHAKERS & OTHER

DEWSIL :- SHAKERS & OTHER								
GEL ROCKER SHAKER				Variable speed of 10 to 50 rpm angle tilt of 20 to 60, variable speed and timer				
11660	Size- 12” x 12”							
11661	Size- 18” x 18”							
11662	Size- 24” x 24”							
11663	Size- 36” x 36”							
GEL ROCKER SHAKER Digital				Digital speed of 10 to 50 rpm & angle tilt of 20 to 60, variable speed and timer				
11665	Size- 12” x 12”							
11666	Size- 18” x 18”							
11667	Size- 24” x 24”							
11668	Size- 36” x 36”							
ROTORY FLASK SHAKER with Rubber Disc 		PLATFORM SIZE						
		Pro. Code	Flask cap. ml	45*45 cm	55*55cm	65*65 cm	100*100cm	105*105cm
		11671	50/100 ml	36	49	64	121	144
		11672	150 ml	25	36	49	100	121
		11673	250	16	25	36	81	100
		11674	500	09	16	25	64	81
		11675	1000 ml	04	09	16	49	64
		11676	Motor cap.	¼ HP	1/ 2 HP	1 HP	1 HP	1 HP
			Price					
				ROTORY FLASK SHAKER with SS Clamp.-11680:-				
Prod. Code	Flask cap. ml			45*45 cm	55*55cm	65*65 cm	100*100cm	105*105cm
11681	50/100 ml			36	49	64	121	144
11682	150 ml			25	36	49	100	121
11683	250			16	25	36	81	100
11684	500			09	16	25	64	81
11685	1000 ml			04	09	16	49	64
	Motor cap.			¼ HP	1/ 2 HP	1 HP	1 HP	1 HP
	Price							
MELT FLOW INDEXER FOR PLASTIC (DIGITAL):11700:-						The melt flow index apparatus is use to determine the melt flow of thermoplastic (Temperature range Ambient 250 ⁰ C) complete with weight & Position or Digital microprocessor temp. Controller.		
STERILITY TEST UNIT				SS holder 3 of 6 hold47 mm dia, membrane filter, Vacuum resistant flask wolf Bottle , holding capacity 250 ml Filtration area 12.5cm				
11710				3 Branch test unit				
11711				6 Branch test unit				
11712				Vacuum Pump Extra				

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- VACUUM PUMB & WATER STILL			
VACUUM PUMP (Pressure Pump)		Beltless With create vacuum diaphragm double head.	
11750		25 liter /minutes	
11751		45 liter /minutes	
VACUUM PUMP (MONOBLOCK)-		Beltless With Moisture Trap Vacuum Gauge.	
11755		¼ HP, 45 liter /min.	
11756		½ HP, 75 liter /min.	
ROTORY VACUUM PUMP		Single Stage Motor, Mounted heavy steel plate, Oil sealed pump, V- Belt with guard, Speed upto 1400rpm, for very high sustained vacuum with valve, Moisture tap, Non return valve.	
11760		¼ HP, 25 liter /min.	
11761		¼ HP, 50 liter /min.	
11762		¼ HP, 75 liter /min.	
11763		1/2 HP, 100 liter /min.	
11764		1HP, 200 liter /min.	
11765		1HP, 300 liter /min.	
11766		2HP, 500 liter /min.	
11768		¼ HP, 25 liter /min.	
ROTORY VACUUM PUMP		Double stage Motor, Mounted heavy steel plate, Oil sealed pump, V- Belt with guard, Speed upto 1400rpm, very high sustained vacuum with valve, Moisture tap, Non return valve.	
11770:-		¼ HP, 25 liter /min.	
11771		¼ HP, 50 liter /min.	
11772		¼ HP, 75 liter /min.	
11774		1/2 HP, 100 liter /min.	
11775		1HP, 200 liter /min.	
11776		1HP, 300 liter /min.	
11777		2HP, 500 liter /min.	
S.S. DISTILLATION UNIT (Wall Mounting)		Heavy SS Kettle 304 grade, Pyrogen free water, Element fitted, wall mounting clamp.	
11800		2 liter/hr approx.	
11801		4 liter/hr approx.	
11802		6 liter/hr approx.	
SS DISTILLATION UNIT (Table Pattern)		Double wall, Complete SS304 grade Kettle, Boiling Point, water level pipe, SS condenser.	
11810		2 liter/hr approx.	
11811		4 liter/hr approx.	
11812		6 liter/hr approx.	

DEWSIL INSTRUMENT LIST 2019-20


DEWSIL :- VACUUM PUMB & WATER STILL			
ROTARY VACUUM VAPORATOR (Buchi Type)-		Evaporating flask rotated by sparking induction motor in a heating water bath, variable speed motor, Pear shape evaporating 1 liter flask clamped to a glass duct with 120 mm glass condenser, receiving flask, vacuum pump.	
11820		Thermostatic water bath	
11821		Digital c water bath	
11822		Sep. Rotating flask	
11823		Sep. Cond. Double coil	
AGATE MORTAR PESTLE (Fisher Type) Electric-		Metallic housing with F.H. Motor, heavy head, adjustable posts to hold mortars of 75 to 135 mm dia, timer upto 60 minutes, grinding vessel, Covered motor with clear acrylic sheet.	
11840		75 mm dia agate Motor pastle	
11841		100mm dia agate Motor pastle	
FRIABILITY TEST EQUIPMENT		FRIABILITY TEST EQUIPMENT	
11850:		Single Drum	
11851		Double Drum	
11852		Digital Revol. counter	
11853		Spare Drum	
UV -TRANSILLUMINATOR -14950 :-		UV Source : 365nm Wave Length Viewing Area : 20x20cm UV Tube : 8x8 watts UV Tube Housing : Anti Corrosion treated with powder coated mild steel UV Safty Shield : Clear Transparent Lid for excellent clarity	




DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- WEIGHING BALANCE


MOTORIZED INTERNAL CALIBRATION WITH BUILT –IN WEIGHT (PSAC Time & Temp. Cal.) (TFT Touch Screen Display)-12000

	Model No.	Max. Weight Cap.	Accuracy	Pan Size	Price
	12001	60 gm	0.01 mg (0.00001gm)	80mm	
	12002	80/220 gm	0.01/0.1mg (0.0001gm)	80 mm	
	12003	200 gm	0.01mg (0.0001gm)	80 mm	
	12004	120 gm	0.1mg (0.0001gm)	90 mm	
	12005	220 gm	0.1mg (0.0001gm)	90mm	
	12006	300 gm	0.1 mg (0.0001gm)	90 mm	


Motorized Internal Calibration with built –in weight calibration

	Model No.	Max. Weight Cap.	Accuracy	Pan Size	Price
	12011	80 gm	0.01 mg (0.00001gm)	80mm	
	12012	100 / 160 gm	0.01/0.1mg	80 mm	
	12013	60 / 210 gm	0.01/0.1mg	80 mm	
	12014	80 / 220 gm	0.01 / 0.1mg	80 mm	
	12015	200 gm	0.01mg (0.00001gm)	90mm	


Motorized Internal Calibration with built –in weight calibration

	Model No.	Max. Weight Cap.	Accuracy	Pan Size	Price
	12021	60 gm	0.1 mg (0.0001gm)	90mm	
	12022	120 gm	0.1mg (0.0001gm)	90 mm	
	12023	220 gm	0.1mg (0.0001gm)	90 mm	
	12024	300 gm	0.1mg (0.0001gm)	90 mm	


Automatic External Calibration

	Model No.	Max. Weight Cap.	Accuracy	Pan Size	Price
	12031	60 gm	0.1 mg (0.0001gm)	90mm	
	12032	120 gm	0.1mg (0.0001gm)	90 mm	
	12033	220 gm	0.1mg (0.0001gm)	90 mm	
	12034	300 gm	0.1mg (0.0001gm)	90 mm	


Digital Weighing Balance LED Display

	Model No.	Max. Weight Cap.	Accuracy	Pan Size.	Price
	12041	120 gm	1 mg(0.001gm)	90mm	
	12042	220 gm	1mg (0.001gm)	90 mm	
	12043	320 gm	1mg (0.001gm)	90 mm	
	12045	500gm	1 mg (0.001gm)	110 mm	

Digital Weighing Balance LED Display




	Model No.	Max. Weight Cap.	Accuracy	Pan Size	Price
	12051	300 gm	10 mg (0.01gm)	110mm	
	12052	600 gm	10mg (0.01gm)	110 mm	
	12053	1000 gm	10mg (0.01gm)	110 mm	

Digital Weighing Balance LED Display









	Model No.	Max. Weight Cap.	Accuracy	Pan Size.	Price
	12061	1000gm	10 mg (0.01gm)	110 gm	
	12062	2000 gm	10 mg (0.01gm)	180 mm.	
	12063	3000 gm	10 mg(0.01gm)	200 mm	
	12064	6000 gm	10 mg (0.01gm)	200 mm	
	12065	8000 gm	10 mg (0.01gm)	200 mm	
	12066	10000 gm	10 mg (0.01gm)	200 mm	

DEWSIL INSTRUMENT LIST 2019-20


DEWSIL :- WEIGHING BALANCE & Instruments

		ELECTRONIC WEIGHING BALANCE LED DISPLAY :-				
		Model No.	Max. Weight Cap.	Accuracy	Pan Size Approx.	Price
		12071	15 kg	0.1 gm	275*220mm	
		12072	30 kg	0.1 gm	275*220mm	
		12073	60 kg	1 gm	320*360mm	
		12074	100 kg	1 gm	320*360mm	
		12075	100 kg	10 gm	200 mm	
		12076	150 kg	10 gm	200 mm	
		12077	200 kg	20 gm	200 mm	
		12078	300 kg	20 gm	200 mm	
		LABORATORY DOUBLE PAN WEIGHING BALANCES-				
		Model No.	Description	Capacity	Sensitivity	Price
		12080	Analytical Balance	200gm	0.1mg	
		12081	Chemical Balance	200gm	0.2mg	
		12082	Physical Balance	200gm	0.1mg	
		MOISTURE ANALYZER--Touch Screen display				
		Model	Capacity	Resolution	Moisture resolution	Pan Size
		12101	60 gm	0.001	0.01	90 mm
		12102	120 gm	0.001	0.01	90 mm
		12103	210 gm	0.001	0.01	90 mm
		12104	110 gm	0.005	0.05	90 mm
		12105	110gm	0.01	0.1	90 mm
STANDARD WEIGHT BOX E1- 12150 12151		Box of 23 Pcs, 1 mg to 200gm with Box W/o Calibration Calibration charge extra				
		WEIGHT BOX:- 12155 12156				
		STANDARD 1 mg to 200 gm with wooden box (W/o Calibration) Govt Certified -				
GYRATORY SIEVE SHAKER- 12200 12201		Gyratory sieve shaker built for optimum performance clockwise directional frequency of 270 per minute Size - For 8" dia Size For 12" dia with adaptor				
		ROTAP SIEVE SHAKER-12205:-				
		Designed to carry upto 7 sieves of 8" , driven by ¼ H.P Motor, Gear mechanism, complete with adaptor				
SIEVE SHAKER (TABLE TOP) 12210 12211		Fitted with FHP, accommodate 6 sieve of 8" dia Speed regulator. (Supplied without sieves) 8" Dia 12" Dia Sieves				
		DIGITAL SEED COUNTER -11590:-				
		Digital Seed Counter				


DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- INSTRUMENTS & pH METER			
DIGITAL SEED COUNTER -122600:-		Measuring range : 1-99999 Time for test : < 1000seeds /3minute, Precision mode : Big seed sample : 2min / 1000 seeds, Precision mode : Small seed sample : 4min / 1000 seeds	
KARK FISHER AUTO TITRIMETER-1250:-		LED Display, Sample size 1 to 50 mg, Indication : RUN AND END Display in Auto Mode,Resolution 0.05 ml Detection by Electronic Control. Dual Platinum electrode, Titration Cell Air Tight 200 ml, Glass vessel, Adjustable Timer, Variable Stirrer, Pressure filling auto zero burette with 0.05 ml. Resolution	
pH METER DIGITAL- 12300:-		Range pH :(0.00~14.00) pH Range mV : (0~1599) mV Resolution pH : 0.01 pH Resolution mV :1 mV Stability : (±0.05pH±1d)/3h	
pH METER DIGITAL- Microprocessor base) 12320:-		Range pH : (0.00~14.00) pH Range mV : (0~1599) mV Resolution pH : 0.01 pH Resolution mV : 1 mV Stability : (±0.05pH±1d)/3h	
pH METER DIGITAL- (High Range) -12310:-		pH Range : -2.000~20.000pH pH Accuracy : ±0.002pH pH Resolution : 0.0001, 0.01, 0.1pH (Selected), Calibration : upto 5 points, Temperature Compensation : 0~100°C, 32~212°F, Automatic or Manual	
pH METER DIGITAL- (Multiparameter) – (pH, ORP,Conductivity,TDS, Salinity, resistivity& Temp)- 12330:-		PH Range : -2.000~20.000PH PH Resolution:-0.001, 0.01, 0.1 pH, Selectable, PH Accuracy : 0.002pH Measuring Mode Absolute : mV or Relative Mv, Resolution : 1/0.1/0.01 Temp. Range : 0-105oC/32-221oF	
DIGITAL pH / TDS ,METER (Pocket type):-		DIGITAL pH / TDS ,METER (Pocket type) Battery operated	
12315		pH Meter regular	
12316		pH Meter High Qua.	
12317		TDS Regular .	
12318		TDS High Quality	
CONDUCTIVITY METER DIGITAL –12350:		Digital LED display ^{3 1/2} Digit in 5 ranges with temperature sensor, conductivity cell, 0-1000ms in 5 range. Conductivity Accuracy : ±1% F.S Temperature Range : 0~100°C Temperature Compensation : 0~50°C, Automatic or Manual.	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- METER			
CONDUCTIVITY/ TDS/SALINITY- (Microprocessor)-12355:-		LED Display, Range = 0.1umho to 1000 mmhos in 5 range, Resistance :0.1ohm to 2 m ohm in 5 range, 0 to 200 ohm, 2 k. Accuracy =+-0.5% of range+-1 digit Resistance : +-0.5% of range +- 1 Digit.. Power: 220/230 Volts +-10% 50 Hz A.C. Supply with Conductivity Cell, Dust Cover and instruction Manual	
CONDUCTIVITY/TDS/ SALINITY/TEMP. Combined - 12360:-		Conductivity Range : 0~20mS/cm . (Max.200mS/cm) Conductivity Accuracy : ±1% F.S Temperature Range : 0~100°C Temperature Compensation : 0~50°C, Automatic or Manual, Calibration Points : 1 point per range 1.	
TURBIDITY METER DIGITAL- (Nephelometer)-11380:-		Digital LED Display, (Range 1 upto 1000 NTU/JTU) (0-20, 200, 1000 NTU/JTU)	
TURBIDITY METER- (Microprocessor base):- 11385:-		Digital LCD Display, (Range 1 upto 1000 NTU/JTU) (0-20, 200, 1000 NTU/JTU)	
POTENTIO METER DIGITAL- 11400:-		Range :-0 to +-199.9mV Resolution :- 0.1 mV Repeatability :- +-1 mV Accuracy :- 1 mV +- 1 Digit Input Impedence :- > 10 ¹² ohms Display :- 3 ^{1/2} Digit Power Supply :- 230 V+-10% , 50 Hz AC . Supplied with ORP Electrode, Electrode Stand, Dust Cover and Manual	
POTENTIO METER DIGITAL- (Microprocessor base)- 11410:-		Range :- 0 to +-199.9mV Resoution :- 0.1 mV Repeatability :- +-1 mV Accuracy :- 1 mV +- 1 Digit Input Impedence :- > 10 ¹² ohms Display :- 3 ^{1/2} Digit with ORP Electrode, Electrode Stand	
11411		Extra- Epoxy Comb. Electrode	
11412		Extra -Temp. Probe	
DISSOLVED OXYGEN METER- 12450:-		Temperature. Display 16x2 line LCD Display with Backlit, Resolution 0.1 ppm, Temp 0.1°C Accuracy +-0.2ppm (+-0.2°C) Temp. Comp. Auto/ manual 0 to 50°C Storage 700 Samples Key Board 6 keys Soft Touch Membrane Type, Power Supply 230 V +- 10% AC. 50 Hz. Complete with Siver Type DO Probe, Temp Sensor, D.O. Membrane 30 Nos.	
12451		DO Meter Handy Meter	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- METER			
DISSOLVED OXYGEN METER- (Microprocessor)-12455:-		Temperature. Display 16x2 line LCD Display with Backlit Resolution 0.1 ppm, Temp 0.1°C Accuracy +-0.2ppm (+-0.2°C) Temp. Comp. Auto/ manual 0 to 50°C Storage 700 Samples Key Board keys Soft Touch Membrane Type, 230 V +- 10% AC. 50 Hz., Complete with Silver Type DO Probe, Temp Sensor, D.O. Membrane 30 Nos	
PHOTO COLORIMETER- 12500:-		Display Digital 3 Digit LED 16x2 Wavelength 400-700 nm % Trans mission 0 to 100% Absorbance 0 to 1.99 Resolution 1% T, 0.01 Abs Auto Zero Facility Available Light Source 6.8V,0.3Amp. Tungsten lamp, Sample System 10 nm path Glass Test Tube,Mini. Sample Volume 1 ml for Filters:-400,420,480,500,520, 540,620,680 nm	
PHOTO COLORIMETER (Microprocessor base)- 12510:-		Display Digital 3 Digit LCD Wavelength 400-700 nm % Trans mission 0 to 100% T Absorbance 0 to 1.99 Resolution 1% T, 0.01 Abs Auto Zero Facility Available Light Source 6.8V,0.3Amp. Tungsten lamp, Sample System 10 nm path Glass Test Tube, Mini. Sample Volume 1 ml for Filters :- 400,420,480,500,520, 540,620,680 nm	
PYROGEN TESTING INSTRUMENTS-12550:-		3 Digit LED Display, 6 Channels 3 Digit LED 16x2 Alphanumeric LCD Range 32°C to 45°C +- 0.1 °C Accuracy +-1% FS +-1 Digit Sensor Type , Platinum Sensor Veterinary Probe 6 No.	
PYROGEN TESTING - (Microprocessor base)- 12560:-		3 Digit LED Display, 6 Channels 3 Digit LED 16x2, Alphanumeric LCD Range 32°C to 45°C +- 0.1 °C Accuracy +-1% FS +-1 Digit Sensor Type , Platinum Sensor Veterinary Probe 6 No. , Window based dedicated, Software to transfer data to PC.	
SALINITY METER DIGITAL-12560:-		Salinity :- 0-50 ppt or 100 pp Resolution 0.1ppt Accuracy +- 1% of range+-1 Digit	
SALINITY METER DIGITAL-(Salinity, Conductivity & Temp. Combined) Microprocessor Base -12565:-		Digital Salinity :- 0-50 ppt or 100 pp Cond. display 3 ^{1/2} Digit in 5 ranges Temp. 0 to 100°C	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- SPECTROPHOTO METER		
SPECTROPHOTO METER DUAL DISPLAY DIGITAL-12600:- 	Range : 340 to 960nm Resolution : 0.1% T , Abs 0.001, Conc. 1 Output : % T : 0 to 100 % , Abs : 0 to 1.999, Conc. 0 to 1999 Detector : Silicon Photodiode Light source : Tungsten Halogen Lamp Gratings : High Performance (Holographic grating system) Sample Holder : 10 nm path length, 10 & 50 nm Path length Spectral band Width : 5 nm Wavelength Resolution : 1 nm Wavelength Accuracy : ± 2.5 nm Repeatability : ± 2 nm Display : $3^{1/2}$ Digit Data , 3 digit (wavelength) LED Display Power Requirement : AC 220/230 V \pm 10% 50 Hz \pm 1Hz	
SPECTROPHOTOMETER VISIBLE SINGLE BEAM-12610:- 	Microprocessor Assembled with Imported Kit) Optical System : Single Beam, 1200 Lines /mm ruled gratin Spectral Bandwidth : 2 nm Wavelength Range : 320-1020 nm Wavelength Accuracy : ± 0.5 nm Wavelength Reproducibility: 1 nm Photometric Accuracy : $\pm 1\%$ T Photometric Repeatability: $<0.5\%$ T Stay Light : $<0.5\%$ T at 360 nm 420 nm Photometric Range : 0 to 100 % T, ABS 0 to 1.999, Conc. 0 to 1999, K (0 to 1.999) Light Source : Tungsten – Halogen Lamp Printer interface : any Centronics dotmetrix Printer Display : Single line LCD Display, Power Requirement : AC 220/230 V \pm 10% 50 Hz \pm 1Hz	
SPECTROPHOTOMETER UV- VISIBLE SINGLE BEAM-12620:- 	Microprocessor Assembled with Imported Kit) Optical System : Single Beam, 1200 Lines /mm ruled gratin Spectral Bandwidth : 2 nm Wavelength Range : 195 to 1000 nm Wavelength Accuracy : ± 1.0 nm Wavelength Reproducibility: 1 nm Photometric Accuracy : $\pm 1\%$ T Photometric Range : 0 to 100 % T, ABS 0 to 1.999, Conc. 0 to 1999, K (0 to 1.999) Light Source : Tungsten – Halogen Lamp Printer interface : any Centronics dotmetrix Printer Display : Single line LCD Display, Detector : wide range silicon photodiode Sample Holder : 4 Position adjustable sample holder Power Requirement : AC 220/230 V \pm 10% 50 Hz \pm 1Hz	
SPECTROPHOTO METER (Double Beam)- 12625:-		Wavelength Range : 190-1100nm Mode : Basic/Quantitative/Wavelengthscan), DNA Protein Test/Kinetics Scanning Speed : Fast/ Medium/ Low Bandwidth : 1nm, Tungsten lamp Wavelength Accuracy : ± 0.3 nm Wavelength Repeatability : 0.2nm Photometric Accuracy : $\pm 0.3\%$ T Light Source : Deuterium
SPECTROPHOTO METER (Double Beam)- 12630:-		Wavelength Range : 190nm-1000nm Spectral Bandwidth : 1nm Wavelength Accuracy : $\leq \pm 0.1$ nm (656.1nm D2), $\leq \pm 0.3$ nm (Full Wavelength Range) Wavelength Repeatability : 0.1nm Photometric Accuracy : $\pm 0.3\%$ T (0~100%T), Light Source : Deuterium, Tungsten lamp

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL BRAND :-WATER ANALYSER KIT & OTHER



WATER ANALYSER KIT DIGITAL ELECTRONIC (portable for field use): -
Based on advance electronic technology for water analysis, pollution control, laboratory analysis, soil testing etc. Complete unit is housed in a briefcase to work on battery –cum – minus .Unit supplied without O.R.P. electrode.PH measurement

pH MEASUREMENT Range 0- 14 PH continuous Resolution 0.01Ph Accuracy +-0.01ph+-1 digit relative Temp. compensation : 0 to 1000(manual)		ORP MEASUREMENT Range 0 - :+-1999 mv. Resolution :1 mv Accuracy :1mv +-0.1%+-digit
TEMP MEASUREMENT RANGE Range : -0 to 100°C Resolution :0.1°C Accuracy :.1°C to +-1Digitl. Sensor Input : PT -100		T.D.S. MEASUREMENT 0-20, 0 to 200, 0-20 ppm & 1-1000 ppt Accuracy =+-0.5% of range+-1 digit Resolution : 0.1 PPM(Lowest Range)
COND. MEASUREMENT Range: : 0 to 1000 mmhos in 5 ranges Resolution; 0.1 Micro mho(lowest range) Sensor Input: +-0.5 % of range+- 1 digit Temp. Co-Eff. Comp...; Automatic From D.O. Probe		D. O. MEASUREMENT Range : 0- to20 PPM Resolution : 0.1 PPM Accuracy : +-0.2PPM +-1 Digit Temp Comm. : 5°C to 55°C(Mannual)
SALINITY MEASUREMENTS: Salinity :- 0-50 ppt or 100 pp Resolution 0.1ppt Accuracy +- 1% of range+-1 Digit		TURBIDITY METER DIGITAL- Range 1 upto 1000 NTU/JTU) (0-20,200,1000NTU/JTU) Accuracy +-3% fs +-1 Digit
Model No.	Description	Price
12651	Five Parameter: (PH, Conductivity, TDS,ORP and Temp.)	
12652	Six Parameters: (PH,Conductivity, TDS,ORP, DO ,and Temp.)	
12653	Seven Parameters: (Turbidity, PH,Conductivity, TDS,ORP, DO, Salinity and Temp.)	
12654	Eight Parameters : Salinity, Conductivity and Temp PH, MV (ORP, TDS, DO, Turbidity)	

DEWSIL :- FLAMEPHOTO METER & MICROSCOPE

**FLAME
PHOTOMETER-
12700:-**



Na K
0 to 100 ppm 0 to 100ppm
Sensitivity 5 ppm 10 ppm Optional
Readout 2^{1/2} Digit Bright Red LED Display.,
Accuracy +-2%upto 40 ppm, +-5% above 40 ppm
Auto Ignition, Measure one element at a time,
Repeatability +- 2 Count,
Detector Silicon Photo Diode,
Filters Narrow Band Interface Glass Filters,
Nebulizer Black Bakelite, Axial Flow Type,
Flame System LPG and Dry oil free air,
Warm up time 10 Minutes

**FLAME
PHOTOMETER (Na, K,
Ca and Li)(Dual Display)–
12710**











Same above + Ca Li
15 to 100ppm 10 to 100 ppm
Sensitivity: 10 ppm,
Readout 2^{1/2} Digit Bright Red LED Display.,
Accuracy +-2%upto 40 ppm, +-5% above 40 ppm
Auto Ignition, Measure one element at a time,
Repeatability +- 2 Count
Detector Silicon Photo Diode
Filters Narrow Band Interface Glass Filters,
Nebulizer Black Bakelite, Axial Flow Type,
Flame System LPG and Dry oil free air,
without compressor, Warm up time 10
W/o Air Compressor

12711





A :- Air Compressor Extra

DEWSIL INSTRUMENT LIST 2019-20




DEWSIL :- MICROSCOPE			
DISSECTING MICROSCOPE-12800:-		This a deluxe model with all brass parts fitted with bull wye lens 80 mm dia and 10x & 20x achromatic eye piece. Packed in plywood box.	
TRAVELING MICROSCOPE – 12805:-		Magnification: 100 X Material: Heavy Cast Iron Horizontal Travel Length: 150 mm Vertical Travel Length: 220 mm	
STUDENT MICROSCOPE- Economy Model - 12810:-		Triple revolving nose piece, horse shoe base. Separate coarse and fine motion. Knobs having stopper for slide safety. Objectives (10x and 45x) eye pieces (10x and 15x) Fitted with disc Diaphragm and packed in wooden box	
STUDENT MICROSCOPE- Regular - 12815:-		Triple revolving nose piece, horse shoe base. Separate coarse and fine motion. Knobs having stopper for slide safety. Objectives (10x and 45x) Eye pieces (10x and 15x) Fitted with disc diaphragm and packed in wooden box	
JUNIOR MEDICAL MICROSCOPE -12820:-		Triple revolving nose piece, horse shoe base, Objectives (10x & 45x) Eye pieces (10x and 15x), fitted with fixed sub stage, condenser NA 1.2 and iris diaphragm moving up and down with rack and pinion with graduated slow motion reading to 0.002mm . Nicely packed in wooden box.	
SENIOR RESEARCH MEDICAL MICROSCOPE-12825:-		Triple revolving nose piece, horse shoe base, Objectives (10 x, 45x and 100 x) Eye pieces (10x and 15x), fixed sub stage, condenser NA 1.2 & iris diaphragm moving up and down with rack and pinion with graduated slow motion reading to 0.002mm. Nicely packed in wooden box.	
STUDENT PROJECTION MICROSCOPE- 12830:-		Having 12 volts 100 watts Halogen projection bulb workable on 220 volts AC mains with triple Revolving nose piece, 160mm dia, built in screen giving magnification 40x to 400 x complete with 5x, 10x and 20x lens	
BINOCULAR METALLURGICAL MICROSCOPE- 12835:-		BINOCULAR METALLURGICAL :- MICROSCOPE Fitted with binocular head (assembled from imported prism) optics in box. Objective (M 10x and 45x), Eyepieces (10 x and 15x)	

DEWSIL INSTRUMENT LIST 2019-20










DEWSIL :- MICROSCOPE

BINOCULAR RESEARCH MICROSCOPE-12840:-		<p>Quadruple revolving nosepiece. slide upto 50 x 75 mm., Built in base HALOGEN ILLUMINATION STSTEM 6V -20W, Electrical system and regulator, concave reflecting mirror. Achromatic Objectives (5x, 10x, 45x and 100x) Eye Pieces (5x , 10x) Supplied in wooden /Tharma coal Cabinet.</p>	
PATHOLOGICAL RESEARCH MICROSCOPE-12845:-		<p>Quadruple revolving nose piece with click stop. with co-axial mechanical stage. Condenser: Focusing up and down by rack Achromatic Objective (5x, 10x, 45x and 100x), Eye pieces (5x, 10x and 10x WF) Nicely packed in wooden Box</p>	
TRINOCULAR RESEARCH MICROSCOPE- 12850:-		<p>Portable, Magnification: 10X to 50X extendable to 150X Color: White and black Application: Laboratory Product Type: Trinocular Microscope</p>	
TRINOCULAR RESEARCH MICROSCOPE- 12855:-		<p>Portable, Magnification: 10X to 50X extendable to 150X Color: White and black Application: Laboratory Imported eyepiece and Lens</p>	

DEWSIL :- ELECTROPHORESIS

MINI ELECTROPHORESIS Vertical -12900:-		<p>Gel plate dimensions : 60×60(mm); Runs up to 6 (1.5mm), 8 (1.5mm) or 11 (1.0mm, 1.5mm) samples Buffer volume : 120 ml ; Made from high quality Polycarbonate, exquisite and durable; Size (LxWxH) : 197x96x64mm</p>	
MIDI ELECTROPHORESE S- - 12905:-		<p>Gel dimensions : 60×60(mm),20×60(mm), 60×120(mm)120×120(mm), Buffer volume : 650 ml Comb: thickness: 1.0 mm, 1.5 mm and 2.0mm; Runs up to 13, 18, 25 samples</p>	
MINIHORIZONTAL ELECTROPHORESISS TYTEM -12910:-		<p>Mini SC horizontal electrophoresis system,7x7 cm, caster Includes : Mini SC buffer tank and lid, 7x7 cm UV transparent tray, 1.5mm, 8 well and 15 well combs, gel caster, air level, instruction</p>	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- IMPORTED			
MINI HORIZONTAL ELECTROPHORESIS-STYTEM -12915:-		Mini SC horizontal electrophoresis system, 7x10 cm, caster Includes : Mini SC buffer tank and lid, 7x10 cm UV transparent tray, 1.5mm, 8 well and 15 well combs, gel caster, air level, instruction	
MIDI HORIZONTAL ELECTROPHORESIS-STYTEM -12920:-		SC horizontal electrophoresis system, 15x10 cm, caster Includes : SC buffer tank and lid, 15x10 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, gel caster, air level, instruction	
MIDI HORIZONTAL ELECTROPHORESIS-STYTEM -12925:-		SC horizontal electrophoresis system, 15x15 cm, caster Includes : SC buffer tank and lid, 15x15 cm UV transparent tray, 1.5mm, 15-well and 20-well combs, gel caster, air level, instruction	
DIGITAL VISCOMETER- 14050:-		Measurement range : 1_100,000 mPa.s Rotor specification : 1, 2, 3, 4# Repeatability : $\pm 0.5\%$ power : AC 220V $\pm 10\%$ 50Hz $\pm 10\%$ Dimension : 370x325x280mm Net Weight : 6.8kg	
MULTI TUBE VORTEXER- 14060:-		Speed range : 500~2500rpm Orbit : 3mm Temp setting range : 1min~99h 59min time range Max load : 4.5kg LED displays time and shaking speed	
Hot PLATE WITH MAGNETIC STIRRER – (Ceramic Plate) 14070 :-		Plate dimensions [WxD] : 184 x 184mm (7 inch) Plate material : Glass ceramic Capacity : 20L, S Speed : 100-1500rpm Power : 1050W.	
Hot PLATE WITH MAGNETIC STIRRER- 14080:-		Work plate dimensions : 180x450mm Power : 490W Heating output : 470W Speed Range : 0 - 1100 rpm Heating Temp. Range : RT-120°C Weight : 1.8kg	
MICROPLATE SHAKER: 14090:-		Temp. control range : RT.+50°C ~800°C Time setting : 1min ~ 99h59min Shaking speed range : 2000C1600rpm Accuracy of temperature : $\leq \pm 0.50^\circ\text{C}$ Capacity : 2plates	
MICROPLATE INCUBATOR – 14095:-		Temp. control range : RT.+5°C ~80°C Max. height of plate : 22mm Timing range:-1min ~ 99h59min Display accuracy : 0.1°C Capacity : 2plates	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- IMPORTED			
PLATE CENTRIFUGE - 14130:-		PCR PLATE CENTRIFUGE Rotating speed : 2200~2800rpm Timing range : 15sec ~1min59sec Capacity : 2 PCR plates Power : 45w,Max(RCF) : 550g	
PCR MACHINE -14150		Capacity : 25x0.2ml Temp Range : 0oC~99.9oC(RT<30oC) Max.Heating Rate :>2oC Max. Cooling Rate :>2oC Max. No. cycle : 99 ProgrammerStore : 3	
GRADIENT THERMAL CYCLE- 14200:-		Block Formats : 96x0.2ml(A), 54x0.5ml(B), 96x0.2ml+77x05ml©, 384well(D), Temp Range : 0oC~99.9oC Max. Heating Ramp Rate : 4.0oC/s Memory : 200	
GRADIENT THERMAL CYCLE- 14210:		Block Formats : 96x0.2ml(A), 54x0.5ml(B), 96x0.2ml+77x05ml©, 384well(D), Temp Range : 0oC~99.9oC Max. Heating Ramp Rate : 4.5oC/s Memory : 1000	
POLARIMETER- 14250 :-		Measurement : ±45° (optical rotation)±120°Z (sugar), Accuracy : ±(0.01+ Measurement valuex0.05%)° (optical rotation) ±(0.03), Measurement value x0.05%)° Z (sugar), Operation Voltage : 220V ± 22V, 50Hz, Dimensions : 730mmx 480mmx 470mmx, Wavelength : 589.44mm	
MINI CENTRIFUGE - 14260 :-		Maximum Speed : 6000 rpm Max RCF(XG) : 2000xg Run Time :Continuous Operation Rotator Capacity : 0.2/0.5/1.5/2.0X6 0.2mlX16PCR Strips 0.2X2PCR 8 Strips	
MINI CENTRIFUGE PLUS-14265:-		Speed Range : 3000-10000RPM RCF : 1000g-7500g Rotor : 8x2.0ml/1.5ml centrifuge tubes Time Range : 1s - 999min Noise : 55dB	
MINI CENTRIFUEGE HIGH-14270:-		Speed : 500-12,500 rpm RCF : 15-9100 Xg12 place 1.5/2.0 mL tube rotor32 place 0.2 ml tube rotor (singles, or 4 x 8 Strip) Compact footprint and brush less motor, Time : 1s-30mint/1sec inc	
CENTRIFUGE MACHINE- 14280 :-		Max. Speed : 20000 R.P.M. Max. RCF „g “ : 27800xg Max. Tube Size : 100ml. Max. Capacity : 1200 ml. Motor : Brushless Memory : 50 programmers	

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DEWSIL :- IMPORTED			
REFRIGERATED CENTRIFUGE -14285:-		Digital Timer : 0-15 min. Speed : 2000-16000rpm Max.RCF: 23000Xg Timer:0-59min Temp. Range : From room temperature to Minus 8°C	
REFRIGERATED CENTRIFUGE-14290:-		Max. Speed : 20000r.p.m. Max. RCF : 27800xg Timer : 0-99 min. Motor : Brushless Motor Temp.Range : from room temperature to Minus 8°C,Temp. Accuracy : $\pm 2^{\circ}\text{C}$	
REFRIGERATED CENTRIFUGE-14300:-		Max speed : 16000rpm Max RCF : 19040xg Timer : 1~99h59min Speed accuracy : $\pm 20\text{rpm}$ Max volume : 24x1.5ml/2ml Temperature range : $-20\sim 40^{\circ}\text{C}$	
REFRIGERATED CENTRIFUGE - 14350:-		Max speed : 21000rpm Max RCF : 28030xg Max volume : 6x100ml Noise : $\leq 58\text{dBA}$ Timer : 0~99h59min Temperature range : $-20\sim 40^{\circ}\text{C}$	
REFRIGERATED CENTRIFUGE - 14360:-		Max speed : 16000rpm Max RCF : 20600xg Noise : $\leq 58\text{dBA}$ Max volume : 6x100ml Timer : 0~99h59min Temperature range : $-20\sim 40^{\circ}\text{C}$	
ELISA READER -14400:-		Wavelength range : 400nm~800nm Indication range : 0.000~4.000OD Resolution : 0.001OD Accuracy : $\pm 1.0\%$ at 1.0 OD, 450nm Standard filters: 405, 450, 492, 630nm Shaking : Linear Shaking, 3 speeds	
ELISA WASHER - 14410:-		Manifold : 8 pins and 12 pins Wash time : 0~99 times adjustable Wash strips : 1~12 adjustable Dipping time : 0~3600s adjustable Resolution : 50~3000ul/hole	
DRY BATH -14500 :-		Temp. control range : $\text{RT}+50^{\circ}\text{C}\sim 100^{\circ}\text{C}$ Temp. accuracy : $\leq \pm 0.3^{\circ}\text{C}^*$ Temp. uniformity : $\leq \pm 0.3^{\circ}\text{C}^*$ Timing range : 1min ~ 99h59min/ ∞ Multi points running : Yes(Max 5points)	
DRY BATH-14510 :-		Temp. settings range : $-10^{\circ}\text{C}\sim 100^{\circ}\text{C}$ Temp. accuracy : $\leq \pm 0.3^{\circ}\text{C}^*$ Temp. uniformity : $\leq \pm 0.3^{\circ}\text{C}^*$ Timing range : 1min ~ 99h59min/ ∞ Multi points running : Yes(Max 5points)	
MINI DRY BATH-14520 :-		Temp. Control Range : $\text{R.T.}+50^{\circ}\text{C}\sim 100^{\circ}\text{C}$, Time Range : 1min~99h Temp. accuracy : $\leq \pm 0.3^{\circ}\text{C}$ Display accuracy : -0.1°C Heating time : $\leq 20\text{min}(40^{\circ}\text{C}\sim 100^{\circ}\text{C})$ Temp. stability : $\pm 0.3^{\circ}\text{C}$	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- IMPORTED			
DRY BATH-14520:-		Temperature range : RT.+5°C~160°C Temp accuracy : $\pm 0.5^{\circ}\text{C}$ (@40°C) Temp accuracy : $\pm 1^{\circ}\text{C}$ (@120°C) Time range : 1min-99h59min/ ∞ Block Quantity : One	
DRY BATH-14530 :-		Temperature range : RT.+5°C~160°C Temp accuracy : $\pm 0.5^{\circ}\text{C}$ (@40°C) Temp accuracy : $\pm 1^{\circ}\text{C}$ (@120°C) Time range : 1-99h59min/ ∞ Block Quantity : Two	
DRY BATH -14540 :-		Temperature range : RT.+5°C~130°C Temp accuracy : $\pm 0.5^{\circ}\text{C}$ (@40°C) Temp accuracy : $\pm 1^{\circ}\text{C}$ (@120°C) Time range : 1-99h59min/ ∞ Block Quantity : Four	
THERMO SHAKER HEATING-14550:-		Temp control range : RT+5°C~100°C Shaking speed : 200~1800rpm Multi cycle : Yes(Max 99times) Display accuracy : 0.1°C Orbit : 3mm Multi points running : Yes (Max 5points)	
THERMO SHAKER COOLING- 14560:-		Temp setting range : -0°C~100°C Shaking speed : 200~1500Rpm Multi cycle : Yes(Max 99times) Display accuracy : 0.1°C Orbit : 3mm Multi points running : Yes (Max 5points)	
TISSUE GRINDER-14600 :-		3000-8000rpm adjustable speed Built-in constant speed control by external load remains constant speed output 4- bit LCD screen, buttons to set the speed Brushless motor greatly extend the life of the motor	
HOMOGENIZER-14610 :-		Speed Range : 8000-30000rpm Max. Circum. Speed : 6.3-14m/sec Working Volume [H ₂ O] : 0.1 -50mL 1-250mL, Max. Viscosity:-5,000mPas Speed Control range:6 Stage	
HOMOGENIZER-14620 :-		Speed Range : 10000-30000rpm Max. Circum. Speed : 22.7-36m/sec Working Volume [H ₂ O] : 10 -40000ml (optional), Max. Viscosity : 10,000m Pas Speed Control range:6 Stage	
HOMOGENIZER-14630 :-		Speed Range(m/s) : 4.00m/s~7.00m/s increment 0.05m/s Speed Range (rpm) : 2500rpm-4350rpm,increment 10rpm, Cycle Duration : 1s-90s,increment 1s, Pause time : 1s-90s, increment 1s, Cycle : 10	

DEWSIL INSTRUMENT LIST 2019-20

DEWSIL :- IMPORTED			
PERISTALTIC PUMP-14700:-		Flow range : 0.00011-1700 mL/min Speed range : 0.1-150 rpm Speed accuracy : 0.5% Power consumption : < 40W Operating condition : Temp. 0-40°C; Relative humidity <80% Dimensions (L x W x H) : 285 x 150 x 195 mm (11.2 x 5.9 x 7.7 inch), Weight : 6.5 kg (14.3 lbs)	
PERISTALTIC PUMP-14710:-		Flow range : 0.0004-77 mL/min Speed range : 0.1-80 rpm Speed accuracy : 0.5% Power supply : AC 100-240V, 50Hz/60Hz, Power consumption: < 10W Ambient temperature: 0-40 °C Dimensions (L x W x H) : 112mm x 96mm x 96mm (4.4 x 3.8 x 3.8 inch) Weight: 0.8 kg (1.8 lbs)	
VACUUM PUMP(Oil Free Diaphragm Type) -14750:-		Flow Rate : 26L/min Vacuum Degree : 0.08MPa Negative Pressure Adjust Range : 0~0.08MPa Filtration Bottle Capacity : 250ml Compact and practical, simple operation, high efficiency and low noise. Optional regulating type and vent valve configuration.	
VACUUM PUMP(Oil Free Diaphragm Type) -14760:-		Flow Rate : 26L/min Vacuum Degree : 0.08MPa Negative Pressure Adjust Range : 0~0.08MP Filtration Bottle Capacity : 1000ml Compact and practical, simple operation, high efficiency and low noise. Optional regulating type and vent valve configuration	
ROCKING SHAKER-14800:-		Speed : 0-50 Oscill/Min Movement : See-Saw Timer : 0-60 min Motor : PMDC Gear Motor Platform Size : 250x250mm	
ROCKING SHAKER-14810:-		Speed : 0-50 Oscill /Min Movement : See-Saw Timer : 0-60 min Platform : Dual Motor : PMDC Gear Motor Platform Size : 250x250mm	
ORBITAL SHAKER -14820:-		Speed range : 20 to 300 rpm 1 rpm increments Orbit diameter : 19.0 mm (0.75") Timer range : 0 to 49 hours, 1 second increments or continuous Maximum load : 4.5 kg (10 lbs.)	
ROTATING MIXER-14830:-		Speed Range : 10rpm ~40rpm Reciprocating Swing Angle Range : 20° ~99° Time Range : 1s ~999min reciprocating oscillation, Power : 4W Voltage : AC 100 ~230V, 50/60Hz	

DEWSIL INSTRUMENT LIST 2019-20

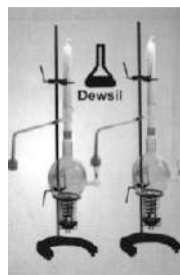
DEWSIL :-GLASS DISTILLATION UNIT



9800-Single Stage Distillation Unit

Glass Flask with heating elements glass coil internally at bottom, Complete with glass fitting, Metallic stand, rings clamps & electrical fitting, 3.3 Borosilicate Glass

CAT. No.	Flask ml	Price unit
980070	3 liter	17,500
98080	5liter	19,800



9801-Double Stage Distillation Unit

Glass Flask with heating elements glass coil internally at bottom, Complete with glass fitting, Metallic stand, rings clamps & electrical fitting, 3.3 Borosilicate Glass

CAT. No.	Flask ml	Price unit
980170	3 liter	
980180	5liter	



9805-Glass Distillation Single Unit with Borosilicate Boiler, Borosilicate Condenser & Quartz Heater, Horizontal type, DEWSIL

CAT No	980563	980575
Dist. Water output cap.(Aprox)	1.5 lts /hrs	2.5 lts/hr
Electrical requirements	230-240volts Single phase1.5 quartz Heater	230-240volts Single phase3.5 quartz Heater
Cooling water consumption	50 lts/hr	60 lts/hr
Biological Activity	Pyrogen free	Pyrogen Free
PH	6-7Ph	6-7 Ph
Unit Price		



9810-Glass Double Distillation Unit with Borosilicate Boiler, Borosilicate Condenser & Quartz Heater, Horizontal type, DEWSIL

CAT No	981063	981075
Dist. Water output cap.(Aprox)	1.5 lts /hrs	2.5 lts/hr
Electrical requirements	230-240volts Single phase1.5*2 quartz Heater	230-240volts Single phase3.5 *2quartz Heater
Cooling water consumption	100 lts/hr	150 lts/hr
Biological Activity	Pyrogen free	Pyrogen Free
PH	6.5-7Ph	6.5-7 Ph
Unit price		



9820_Mono Quartz Distillation Unit,panel Mounted with Quartz Boiler & Borosilicate Condensor, Vertical Model, DEWSIL

CAT No	982067	982080
Dist. Water output cap. (Aprox)	2.5 lts /hrs	5 lts/hr
Electrical requirements	230-240 volts Single phase2.2 kw	230-240 volts Single phase 4.4 kw
Cooling water consumption	50 lts/hr	60 lts/hr
Biological Activity	Pyrogen free	Pyrogen Free
PH	6-7Ph	6-7 Ph
Unit price		



9830_Mono Quartz Distillation Unit, panel Mounted with Quartz Boiler & Quartz Condensor, Vertical Model, DEWSIL

CAT No	983067	983080
Dist. Water output cap.(Aprox)	2.5 lts /hrs	5 lts/hr
Electrical requirements	230-240 volts Single phase2.2 kw	230-240 volts Single phase 4.4 kw
Cooling water consumption	50 lts/hr	60 lts/hr
Biological Activity	Pyrogen free	Pyrogen Free
PH	6-7Ph	6-7 Ph
Unit price		

TERMS & CONDITIONS FOR INSTRUMENTS

- 1 Rates are Ex- Works, Packing, Forwarding, Fright, Octroi (if any) and all incidental charges as per actual up to the customers destination, will be borne extra by the customer.
 - 2 GST (local / IGST@ 18% will be charged extra) or as applicable at the time of delivery.
 - 3 All instruments / equipment's are packed with at most care, under the able -supervision of trained staff, thus ensuring safe transit of goods up to the customers destination. Moreover,our responsibility ceases after handing over the packages to the carriers. Any claim for damages / shortage/ transits loss should be forwarded to the carriers.
 - 4 While placing the orders all customers are requested to mention the catalogue no of the instrument along with its price, mode of dispatch(train or lorry / transport) bankers name and GST No consignee address may please be mentioned, if dispatch is to be made to places other than your city.
 - 5 If desired insurance can be arranged, at the customers cost, at a premium of 2.5% of the invoice value, in case of any claim it would be the customers responsibility to lodge complaint and settle the dues with the insurance company.
 - 6 All carpentry, Masonry or electrical job required for installation of equipment will have to be got done by customer at their own cost
 - 7 All Instruments / equipment requiring personal installation and demonstration at site, by our trained staff, can be arranged against extra charges according to distance.
 - 8 All equipment / Instruments are covered with a warranty for a period of 12 months. The warranty does not cover glass parts, tubes relay, bulb thermometer, element or failure due to mishandling of the equipment.
 - 9 All equipment are subtend as per the details given in the catalogue, but due to company policy of continuous, development and improvement we reserve the right against change or modification in design and construction without notice. Hence the illustration in the catalogue are not binding and may be changed without prior notice or obligation.
 - 10 All disputes are subject to “DELHI JURISDICTION” only.
 - 11 All order is booked against a delivery period of 2-4 weeks. However, any delay due to unavoidable circumstances, in executing the order, the firm will not liable to pay for any damages.
 - 12 For DEALERS: 40% advance payment should accompany the supply order, Balance will be drawn through any scheduled bank, against dispatch documents.
 - 13 We reserve the right to supply the order in full or Part.
 - 14 Goods will be dispatched against cash /cheque or demands draft drawn on “Dewsil Scientific Pvt Ltd” payable at Delhi. In case of outstation orders, documents will be forwarded through Bank for payment. The Interest @ 21% will be charged for the payments received after due dates.
 - 15 In case of failure or rejection of our product's whatsoever reasons, our liability is expressly limited to the extent of its replacement or its cost. Rejection complaints should be made with in 45 days of our invoice date. We shall not be responsible for any other damage or losses directly or indirectly.
 - 16 **Force Majeure:** not withstanding whatever is mentioned herein, in the event due to reasons beyond our control such as riots, strikes, war, civil commotion, shortage of raw materials, govt restrictions, act of God etc. we or our authorized stockiest will not be liable for any penalization for any delay or non-supply of the products.
 - 17 **Liability :** We shall incur no liability for direct, indirect or consequential loss, injury or damage to person or property from any cause whatsoever, as a result of the handling of goods not in accordance with any safety instruction which may issued from time to time or supplied by us with the goods or with any government regulations, health & safety requirements or code of practice from time to time in force.
- THIS PRICE LIST CANCEL ALL OUR PREVIOUS LISTINGS.
- SPECIAL PRICE WILL BE OFFERED FOR BULK ENQUIRIES.





DEWSILTM SCIENTIFIC PVT. LTD.

Mfg. of Dewsil Brand Lab Glassware's, Lab Miscellaneous Items
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