

P.G & Research Department of Zoology

N.S.S College, Pandalam

The following is the requirement of the Department of Zoology for the purchase of chemicals and glass wares necessary the academic year 2024-2025 from PD fund allocation.

The prices for a single quantity /no may be invited in the tender. The actual quantity required will be specified at the time of purchase

Sl No:	Items	Quantity	Make
1	1,10 PHENATHROLINE REAGENT	5G	MERCK/BDH/QUALIGEN/NICE
2	ACETIC ACID GLACIAL	500ML	MERCK/BDH/QUALIGEN/NICE
3	ALPHA NAPHTHYL AMINE HYDROCHLORIDE	250	MERCK/BDH/QUALIGEN/NICE
4	ACETO ORCEIN	500ML	MERCK /BDH/QUALIGEN/NICE
5	ACETOCARMINE STAIN	100 ML	MERCK/BDH/QUALIGEN/NICE
6	ACETONE	500ML	MERCK/BDH/QUALIGEN/NICE
7	ACETYL CHOLINE IODIDE	5G	SRL/NICE
8	ADRENALINE	1G	MERCK/BDH/QUALIGEN/NICE
9	AGAR AGAR BACTO	500G	SIGMA/OTTO/NICE
10	ALBUMIN(BOVINE SERUM)POWDER	5G	MERCK/BDH/QUALIGEN/NICE
11	ALIZARINE RED	25G	NICE
12	ALLYL THIOUREA	10G	MERCK/BDH/QUALIGEN/NICE
13	AMMONIUM CHLORIDE	150G	MERCK/BDH/QUALIGEN/NICE
14	AMMONIUM HYDROXIDE	150G	MERCK/BDH/QUALIGEN/NICE
15	AMMONIA SOLUTION	500ML	MERCK/BDH/QUALIGEN/NICE
16	ANTHRONE	25 G	MERCK/BDH/QUALIGEN/NICE
17	BARIUM CHLORIDE	500G	MERCK/BDH/QUALIGEN/NICE
18	BARIUM HYDROXIDE	500G	MERCK/BDH/QUALIGEN/NICE
19	BENEDICT'S SOLUTION	500ML	MERCK/BDH/QUALIGEN/NICE
20	BLOOD GROUPING ANTI-A.B.D SERUM		/NICE
21	BOVINE SERUM ALBUMIN	100G	MERCK/BDH/QUALIGEN/NICE
22	BROMOCRESOL PURPLE	125ML	MERCK/BDH/QUALIGEN/NICE
23	BROMOPHENOL BLUE	100ML	MERCK/BDH/QUALIGEN/NICE
24	N- BUTYL ALCOHOL	500ML	MERCK/BDH/QUALIGEN/NICE
25	BRUCINE SULPHATE	500GMS	MERCK/BDH/QUALIGEN/NICE
26	CADMIUM CHLORIDE	100G	MERCK/BDH/QUALIGEN/NICE
27	CALCIUM CARBONATE	500G	MERCK/BDH/QUALIGEN/NICE
28	CALCIUM CHLORIDE	500G	MERCK/BDH/QUALIGEN/NICE
29	CHLOROFORM	500ML	MERCK/BDH/QUALIGEN/NICE

30	CHOLESTEROL STANDARD	250G	MERCK/BDH/QUALIGEN/NICE
31	CHROMATOGRAPHIC PAER	10 SHEETS	WHAT MAN/NICE
32	CONC.SULPHURIC ACID	500ML	MERCK/BDH/QUALIGEN/NICE
33	COPPER SULPHATE	500G	MERCK/BDH/QUALIGEN/NICE
34	COTTON ROLL (LARGE)	-	-
35	DEXTROSE	500G	MERCK/BDH/QUALIGEN/NICE
36	DIETHYL ETHER	500ML	MERCK/BDH/QUALIGEN/NICE
37	DIPHENYL AMINE	250G	MERCK/BDH/QUALIGEN/NICE
38	DIPOTASSIUM HYDROGEN PHOSPHATE	500G	MERCK/BDH/QUALIGEN/NICE
39	DISODIUM HYDROGEN PHOSPHATE	500G	MERCK/BDH/QUALIGEN/NICE
40	DL- VALINE	5G	MERCK/BDH/QUALIGEN/NICE /LOBA CHEMIE
41	DNA SODIUM SALT	5G	MERCK/BDH/QUALIGEN/NICE /HIMEDIA
42	DPX	500ML	MERCK/BDH/QUALIGEN/NICE
43	EDTA DISODIUM SALT	100G	MERCK/BDH/QUALIGEN/NICE
44	ERIOCHROME BLACK T INDICATOR	100 ML	MERCK/BDH/QUALIGEN/NICE
45	FEHLING SOLUTION A	500ML	MERCK/BDH/QUALIGEN/NICE
46	FEHLING SOLUTION B	500ML	MERCK/BDH/QUALIGEN/NICE
47	FERRIC CHLORIDE ANHYD	500G	MERCK/BDH/QUALIGEN/NICE
48	FERROUS AMMONIUM SULPHATE	500GM	MERCK/BDH/QUALIGEN/NICE
49	FERROUS SULPHATE	500G	MERCK/BDH/QUALIGEN/NICE
50	FERROUS SULPHIDE STICKS	500G	MERCK/BDH/QUALIGEN/NICE
51	FERROIN INDICATOR	25 ML	MERCK/BDH/QUALIGEN/NICE
52	FOLIN CIOCALTEU REAGENT	100ML	MERCK/BDH/QUALIGEN/NICE
53	FORMALDEHYDE	5L	NICE/MERCK//QUALIGEN/NICE
54	GLACIAL ACETIC ACID (ALDEHYDE FREE)	5L	MERCK/BDH/QUALIGEN/NICE
55	GLUCOSE POWDER	100G	MERCK/BDH/QUALIGEN/NICE
56	GLUCOSE STAND SOLU 1%	125ML	NICE
57	GLYCEROL	2X500ML	MERCK/BDH/QUALIGEN/NICE
58	GLYCINE	500ML	MERCK/BDH/QUALIGEN/NICE
59	GLYCOGEN (for Biochemistry)	5G	MERCK/BDH/QUALIGEN/NICE /LOBA CHEMIE
60	GRAM STAINING KIT	1	-
61	HYDRO CHLORIC ACID	500ML	MERCK/BDH/QUALIGEN/NICE
62	HYDROXYL AMINE HYDROCHLORIDE	100G	MERCK/BDH/QUALIGEN/NICE
63	IODINE CRYSTALS	100G	MERCK/BDH/QUALIGEN/NICE
64	ISOPROPYL ALCOHOL	500ML	NICE

65	WHATSMAN FILTER PAPER CIRCULAR	1 PACK	/NICE
66	L- ASPARTIC ACID	5G	MERCK/BDH/QUALIGEN/NICE /LOBA CHEMIE
67	L-PROLINE	5G	MERCK/BDH/QUALIGEN/NICE /LOBA CHEMIE
68	L-TRYPTOPHAN	5G	MERCK/BDH/QUALIGEN/NICE /LOBA CHEMIE
69	LEISHMAN STAIN	25ML	NICE
70	MAGNESIUM CHLORIDE	500G	MERCK/BDH/QUALIGEN/NICE
71	MAGNESIUM SULPHATE	500G	MERCK/BDH/QUALIGEN/NICE
72	MAIZE POWDER	100G	ANY
73	MANGANOUS SULPHATE	500G	MERCK/BDH/QUALIGEN/NICE
74	METHANOL	2L	MERCK/BDH/QUALIGEN/NICE
75	METHYL ISOCYANITE	500ML	ANY
76	METHYL RED SODIUM SALT	125ML	MERCK/BDH/QUALIGEN/NICE
77	METHYL RED INDICATOR	125 ML	MERCK/BDH/QUALIGEN/NICE
78	METHYLENE BLUE AQUEOUS	125ML	MERCK/BDH/QUALIGEN/NICE
79	METHYLENE BLUE ALKALINE	125ML	MERCK/BDH/QUALIGEN/NICE
80	METHYL ORANGE	50 gms	MERCK/BDH/QUALIGEN/NICE
81	MG SALT OF EDTA	100g	MERCK/BDH/QUALIGEN/NICE
82	MACCONKEY AGAR	100G	HI MEDIA
83	NEPAGIN	5G	HM/NICE
84	NESSLER'S REAGENT	100 ML	MERCK/BDH/QUALIGEN/NICE
85	NEUTRAL RED	10G	MERCK/BDH/QUALIGEN/NICE
86	NILE BLUE SULPHATE	25G	MERCK/BDH/QUALIGEN/NICE
87	NINHYDRIN	10G	MERCK/BDH/QUALIGEN/NICE
88	NITRIC ACID	500ML	MERCK/BDH/QUALIGEN/NICE
89	ORCINOL	100G	MERCK/BDH/QUALIGEN/NICE
90	ORTHO PHOSPHORIC ACID	500ML	MERCK/BDH/QUALIGEN/NICE
91	OXALIC ACID	500G	MERCK/BDH/QUALIGEN/NICE
92	PARA DIMETHYL AMINO BENZALDEHYDE	100G	ANY
93	PARA PHENYLENE DIAMINE	100G	HM/NICE
94	PHENOL	1BOTTLE/50 0G	MERCK/BDH/QUALIGEN/NICE
95	WHITE PHENOL	1BOTTLE/50 0G	MERCK/BDH/QUALIGEN/NICE
96	pH INDICATOR PAPER(BROAD RANGE)	10 BOOK	BDH/QUALIGEN/NICE
97	pH BUFFER TABLETS(4,7,9.2)	2 BOTTLES EACH	BDH/QUALIGEN/NICE
98	PHENOLPHTHALEIN INDICATOR	125ML	MERCK/BDH/QUALIGEN/NICE
99	PHENOLPHTHALEIN POWDER	50G	MERCK/BDH/QUALIGEN/NICE

100	POTASSIUM CHLORIDE	500G	MERCK/BDH/QUALIGEN/NICE
101	POTASSIUM CHROMATE	500G	MERCK/BDH/QUALIGEN/NICE
102	POTASSIUM DICHROMATE	500G	NICE
103	POTASSIUM DIHYDROGEN PHOSPHATE	500G	MERCK/BDH/QUALIGEN/NICE
104	POTASSIUM HYDROXIDE FLAKES	500G	MERCK/BDH/QUALIGEN/NICE
105	POTASSIUM IODIDE	250G	MERCK/BDH/QUALIGEN/NICE
106	POTASSIUM NITRATE (ANHYDROUS)	500G	MERCK/BDH/QUALIGEN/NICE
107	POTASSIUM SODIUM TARTARATE	500G	MERCK/BDH/QUALIGEN/NICE
108	PROPIONIC ACID	500ML	MERCK/BDH/QUALIGEN/NICE
109	RBC DILUTING FLUID	125ML	NICE
110	ROSALIC ACID	25G	NICE
111	ROUND FILTER PAPER	3 BOXES	MERCK/BDH/QUALIGEN/NICE
112	SCHIFF'S REAGENT	100ML	MERCK/BDH/QUALIGEN/NICE
113	SODIUM ACETATE	250G	MERCK/BDH/QUALIGEN/NICE
114	SILVER NITRATE	25G	MERCK/BDH/QUALIGEN/NICE
115	SODIUM BICARBONATE	250G	MERCK/BDH/QUALIGEN/NICE
116	SODIUM CARBONATE	500G	MERCK/BDH/QUALIGEN/NICE
117	SODIUM CHLORIDE	500G	MERCK/BDH/QUALIGEN/NICE
118	SODIUM CITRATE	500G	MERCK/BDH/QUALIGEN/NICE
119	SODIUM FLUORIDE	500G	MERCK/BDH/QUALIGEN/NICE
120	SODIUM HYDROXIDE PELLETS	500G	MERCK/BDH/QUALIGEN/NICE
121	SODIUM PHOSPHATE	500G	MERCK/BDH/QUALIGEN/NICE
122	SODIUM POTASSIUM TARTARATE	500G	MERCK/BDH/QUALIGEN/NICE
123	SODIUM SULPHATE	500G	MERCK/BDH/QUALIGEN/NICE
124	SODIUM SULPHATE ANHY	500G	MERCK/BDH/QUALIGEN/NICE
125	SODIUM THIO SULPHATE	500G	MERCK/BDH/QUALIGEN/NICE
126	STANNOUS CHLORIDE	100G	MERCK/BDH/QUALIGEN/NICE
127	SODIUM FLUOROSILICATE	500G	MERCK/BDH/QUALIGEN/NICE
128	STARCH SOLUBLE	500G	MERCK/BDH/QUALIGEN/NICE
129	SULPHANILIC ACID	100G	MERCK/BDH/QUALIGEN/NICE
130	SULPHO SALICYLIC ACID	500ML	MERCK/BDH/QUALIGEN/NICE
131	SULPHURIC ACID	500 ML	MERCK/BDH/QUALIGEN/NICE
132	SOYABEAN CAESIN DIGEST AGAR	100G	HI MEDIA
133	TERGITOL AGAR	100 G	HI MEDIA
134	THYMOL BLUE POWDER	5G	MERCK/BDH/QUALIGEN/NICE
135	TRISODIUM CITRATE	500 g	MERCK/BDH/QUALIGEN/NICE

136	UNIVERSAL INDICATOR	100 ML	QUALIGEN/MERCK/NICE
137	WHATMAN FILTER PAPER (CICEL)	100 Circle	
138	WAX WITH CERECIN	500G	MERCK/BDH/QUALIGEN/NICE
139	WBC DILUTING FLUID	125ML	NICE
140	WRIGHTS STAIN	125ML	NICE
141	ZIRCONYL CHLORIDE	100G	ANY
142	AMINOACID KIT	1	MERCK/BDH/QUALIGEN/NICE
143	FERROIN INDICATOR	25 ml X 4	MERCK/BDH/QUALIGEN/NICE
144	NINHYDRIN POWDER		QUALIGEN/MERCK/NICE
145	FERROUS SULPHATE STICK	500GM	MERCK/BDH/QUALIGEN/NICE
146	METHANOL	500ML	QUALIGEN/MERCK/NICE
147	THYMOL BLUE INDICATOR SOLUTION	100ML X 5	MERCK/BDH/QUALIGEN/NICE
148	PHENOPHTHALEIN POWDER	500gm	QUALIGEN/MERCK/NICE
149	PHENOPHTHALEIN INDICATOR SOLUTION	250ml	MERCK/BDH/QUALIGEN/NICE

REQUIREMENT OF GLASS WARES TO THE PG AND RESEARCH DEPARTMENT OF ZOOLOGY

1	TEST TUBES 15X150	1	BOROSIL
2	PETRI DISH 100X17	1 PAIR	BOROSIL
3	MICROGLASS SLIDE 75X25 mm	1 PACKET	BOROSIL
4	BOD BOTTLES 250ml	1	BOROSIL
5	PLANKTON COUNTING CHAMBER	1	ANY
6	REAGENT BOTTLE 250ml (Screw cap)	1	BOROSIL
7	REAGENT BOTTLE 250ml(Glass stopper)	1	QUALIGEN
8	BEAKER 50ml		BOROSIL

9	BEAKER 100ml	1	BOROSIL
10	BEAKER 250ml	1	BOROSIL
11	BEAKER 500ml	1	BOROSIL
12	BEAKER 1litre	1	BOROSIL
13	MEASURING CYLINDER 100ml	1	BOROSIL
14	MEASURING CYLINDER 250ml	1	BOROSIL
15	MEASURING CYLINDER 500ml	1	BOROSIL
16	MEASURING CYLINDER 1 Litre		
17	MEASURING CYLINDER 50ml	1	TARSON
18	MEASURING CYLINDER 100ml	1	TARSON
19	MEASURING CYLINDER 250ml	1	TARSON
20	CONICAL FLASK 1 Ltr	1	BOROSIL
21	CONICAL FLASK 500 ml	1	BOROSIL
22	CONICAL FLASK 250ml	1	BOROSIL
23	CONICAL FLASK 100ml	1	BOROSIL
24	RECTANGULAR COVER SLIP 22X40mm	1 PACKET	-
25	ROUND COVERSLIP18X18	1 PACKET	-
26	BURETTE SCREW TYPE	1	BOROSIL
27	BURETTE STAND		ANY
28	TEST TUBE STAND	5	ANY
29	FILTER PAPER (NORMAL)		ANY
30	FUNNEL 2.5mm	1	ANY
31	GLASS ROD	5	ANY
32	PETRY DISH 100X15	1	-
33	PIPETTES 1 ml	5	BOROSIL
34	PIPETTES 2 ml	5	BOROSIL
35	PIPETTES 5ml	5	BOROSIL
36	PIPETTES 10 ml	5	BOROSIL
37	PIPETTES 20ml	5	BOROSIL
38	STANDARD FLASK 100 ml	1	BOROSIL
39	STANDARD FLASK 250 ml	1	BOROSIL
40	STANDARD FLASK 500 ml	1	BOROSIL
41	WATCH GLASS 7.5 cm		-
42	CAVITY SLIDE	1 PACKET	BLUESTAR
43	WATER DISTILLATION UNIT (1.4ltr/hr)	1	BOROSIL
44	RUBBER BULB (SMALL)	10	ANY
45	RUBBER BULB (MEDIUM)	10	ANY
46	RUBBER BULB (LARGE)	10	ANY
47	CAMERA LUCIDA (PRISM TYPE)	2	ANY
48	CAMERA LUCIDA (MIRROR TYPE)	2	ANY
49	HAEMOCYTOMETER	5	ANY
50	THERMOMETER (MERCURY)	1	ANY
51	THERMOMETER (ALCOHOL)	1	ANY

N.S.S. College, Pandalam

PG & Research Department of Physics

Requirement - Chemicals and Perishables (2024)

Sl.No	Item
1.	Travelling Microscope
2.	Battery Eliminator (IC regulated and Non Regulated)
3.	Milli ammeter (0-500 mA)
4.	Voltmeter (0-2V)
5.	Rectifier Board
6.	Standard Resistance (1,2 ohms)
7.	Stopwatch (Analogue and digital)
8.	Zener diode, 6 V
9.	Transistors, SL 100, BC 107, CL 100, BD137, BD139
10.	Potassium Permanganate
11.	Acetone
12.	Kater's Pendulum (full set)
13.	Liquid lens complete setup
14.	Multimeter Digital (Metravi or similar brand)
15.	Mercury
16.	Extension Board
17.	CF Bridge
18.	Scale & Telescope
19.	Heating Mantle with temperature controller
20.	Compass Box
21.	Galvanometer
22.	Fractional Resistance Box
23.	Mercury
24.	Boiling tube
25.	Temperature coefficient Cu Coil
26.	Potentiometer resistivity wire
27.	Magnet
28.	Voltmeter (0-15V)

N. S. S. College, Pandalam
P. G. and Research Department of Botany
PD Purchase 2024 - Requirements for Quotation

Sl. No	Item
Chemicals	
1	Acetic Acid (Glacial) 500ml
2	Acetic Anhydride
3	Acetocarmine Sol. 100ml
4	Acetone 500ml
5	Agar (Bacteriological) 500g
6	Agar (Tissue Culture) 500g
7	Agarose
8	Aluminium Foil 100g
9	Amino Acid kit
10	Ammonium Chloride 500g
11	Ammonium Molybdate 100g
12	Aniline Blue
13	Ascorbic Acid 100g
14	Bee Wax 500g
15	Beef Extract 500g
16	Benzene 500ml
17	Boric Acid 500g
18	Bovine Serum Albumine (BSA)
19	Bradford Reagent
20	Bromophenol Blue
21	Butanol 500ml NICRE
22	Calcium Chloride 500g
23	Calcium Hydroxide 500g
24	Calcium Nitrate 500g
25	Calcium Sulphate 500g
26	Casein
27	Catechol 250g
28	Chloroform 500ml
29	Chromatography Paper sheet
30	Citric Acid 100ml
31	Clark's Solution
32	Clove Oil 100ml
33	Congo Red
34	Coomassie Brilliant Blue
35	Copper Sulphate 100g
36	Crystal Violet 100g
37	Dibasic Sodium Phosphate 100g
38	Dinitro Salisilic Acid 500ml
39	Diphenyl Amine 500ml
40	Disodium Hydrogen Orthophosphate 500ml
41	DPX Mountant 250ml
42	Eosin
43	Eriochrome Black T
44	Ethanol Amine

Sl. No	Item
45	Ethidium Bromide 500ml
46	Ethyl Acetate 500ml
47	Ethyl Alcohol (Ethanol) 500ml
48	Ethylene Diamine Tetra Aceticacid (EDTA) 500ml
49	Fast Green
50	Ferric Chloride 500g
51	Folin Ciocalteu reagent 125ml
52	Formalin 500ml
53	Glycerine 500ml
54	Glycine
55	Guaicol 250g
56	Haematoxylin
57	Hexane 500ml
58	Hydrochloric Acid 500ml
59	Hydrogen Peroxide 500ml
60	Iodine Resublimed 100g
61	Isoamyl Alcohol 500ml
62	Isopropyl Alcohol 500ml
63	Magnesium Chloride 500g
64	Magnesium Nitrate 500g
65	Magnesium Sulphate 500g
66	Manganous Sulphate 500g
67	Methanol 500ml
68	Methyl Orange Indicator
69	Monobasic Sodium Phosphate 100g
70	Murexide Indicator
71	n-Butanol 500ml
72	Ninhydrine Reagent
73	Nitric Acid 500ml
74	Paraffin Wax 500g
75	Peptone 100g
76	Perchloric Acid 500ml
77	Petroleum Ether 500ml
78	Phenol 500ml
79	Phenolphthaleine Indicator
80	Potassium Acetate 100ml
81	Potassium Antimony Tartarate 100g
82	Potassium Chloride 500g
83	Potassium Chromate 100g
84	Potassium Dichromate 500g
85	Potassium Dihydrogen Orthophosphate 500ml
86	Potassium Ferric Cyanide 100g
87	Potassium Hydroxide Pellets 500g
88	Potassium Iodide 100g
89	Potassium Nitrate 500g
90	Potassium Phosphate 500g
91	Roshelle Salt Solution
92	Saffranaine Stain 125ml
93	Schiff's Reagent

Sl. No	Item
94	Silicagel (Column) 500g
95	Silicagel (TLC) 500g
96	Silica gel Pre-coated plates (4 Sheets)
97	Silver Nitrate 100g
98	Sodium Acetate 500ml
99	Sodium Alginate 500g
100	Sodium Bicarbonate 500g
101	Sodium Carbonate 500g
102	Sodium Chloride 500g
103	Sodium Deodil Sulphate (SDS) 500g
104	Sodium Dihydrogen Orthophosphate 500ml
105	Sodium Hydroxide mPellets 500g
106	Sodium Potassium Tartarate 500ml
107	Sodium Thiosulphate 500ml
108	Starch Powder 500g
109	Sucrose
110	Sulphuric Acid (Concentrated) 500ml
111	Tertiary Butyle Alcohol (TBA) 500ml
112	Trichloro Acetic Acid (TCA) 500ml
113	Tris-aminophthane
114	Tris-salt
115	Trizol
116	Whatman Filter Paper No.1 pkt.11cm
117	Xylene / Xylol 500ml
Glasswares	
1	BOD Bottles 150ml BOROSIL
2	Boiling Tube (Tissue Culture) BOROSIL
3	Conical flask 250ml
4	Coverslip large rectangular
5	Coverslip small round
6	Coverslip small square
7	Eppendrof tubes and tips
8	Glass funnel
9	Glass Single Distillation Unit (Coil/Mantle)
10	Measuring Cylinder 100ml BOROSIL
11	Microslides
12	Mortar and Pestle
13	Parafilm
14	Separating funnel 500ml
15	Separation funnel 250ml
16	Standard Flask 250ml BOROSIL
17	Standard Flask 100ml BOROSIL
18	Test tube Holder

HOD

Principal

DEPARTMENT OF CHEMISTRY
List of Chemicals and Glass Wares-2024

LIST OF CHEMICALS

No.	DESCRIPTION	BRAND	QUANTITY
1	Acetanilide	Nice/Molichem	250 × 1
2	Acetic acid glacial	Nice/Molichem	2.5 litres
3	Acetone	Nice/Molichem	500 × 1
4	Amm. ferric sulphate AR	Nice/Molichem	500 × 1
5	Amm. ferrous sulphate	Nice/Molichem	500 × 1
6	Ammonium chloride	Nice/Molichem	500 × 1
7	Ammonium acetate	Nice/Molichem	100 × 1
8	Ammonium borate	Nice/Molichem	250 × 1
9	Ammonium carbonate	Nice/Molichem	500 × 1
10	Ammonium oxalate	Nice/Molichem	500 × 1
11	Ammonium thiocyanate AR	Nice/Molichem	500 × 1
12	Aniline	Nice/Molichem	500 × 1
13	Barium chloride	Nice/Molichem	500 × 1
14	Benzaldehyde	Nice/Molichem	500 × 1
15	Benzamide	Nice/Molichem	500 × 1
16	Benzoic acid	Nice/Molichem	500 × 1
17	Benzophenone	Nice/Molichem	500 × 1
18	Benzoyl chloride	Nice/Molichem	500 × 1
19	Biphenyl	Nice/Molichem	100 × 1
20	Borsches reagent	Nice/Molichem	100 × 1
21	Calcium Carbonate	Nice/Molichem	500 × 1
22	Calcium Chloride	Nice/Molichem	100 × 1
23	Calcium Fluoride	Nice/Molichem	100 × 1
24	Calcium Nitrate	Nice/Molichem	100 × 1
25	Charcoal activated	Nice/Molichem	1 kg × 1
26	Chloroform	Nice/Molichem	500 × 1
27	Cinnamic acid	Nice/Molichem	500 × 1
28	Cobalt Chloride LR	Nice/Molichem	100 × 1
29	Cobalt nitrate	Nice/Molichem	500 × 1
30	Copper sulphate AR	Nice/Molichem	500 × 1
31	Dextrose AR	Nice/Molichem	500 × 1
32	Diethyl ether	Nice/Molichem	500 × 1
33	Dimethyl glyoxime	Nice/Molichem	100 × 1
34	2,4-dinitrophenyl hydrazine	Nice/Molichem	250 × 1
35	Diphenylcarbazide	Nice/Molichem	100 × 1
36	Disodium hydrogen phosphate	Nice/Molichem	500 × 1
37	DMF Spectroscopic grade	Nice/Molichem	500 × 1
38	DMSO Spectroscopic grade	Nice/Molichem	500 × 1
39	EDTA disodium salt	Nice/Molichem	100 × 1
40	Eriochrome black T	Nice/Molichem	100 × 1
41	Ethyl acetate	Nice/Molichem	500 × 1



42	Ethyl benzoate	Nice/Molichem	500 x 1
43	Ferric Chloride	Nice/Molichem	100 x 1
44	Ferric periodate	Nice/Molichem	100 x 1
45	Ferrous sulphate AR	Nice/Molichem	500 x 1
46	Filter paper Ordinary No: 81		1 Sheets
47	Filter paper Whatman No. 1	Whatman	1 pkt
48	Filtre paper Whatman No. 40	Whatman	1 pkt
49	Filtre paper Whatman No. 41	Whatman	1 pkt
50	Hexane	Nice/Molichem	500 x 1
51	Hydrochloric acid (commercial)	Nice/Molichem	2.5 litres
52	Hydrogen peroxide	Nice/Molichem	500 x 1
53	Hydroxylamine Hydrochloride	Nice/Molichem	500 x 1
54	Iodine (resublimed)	Nice/Molichem	100 x 1
55	Lead dioxide	Nice/Molichem	251 x 1
56	Lead Acetate	Nice/Molichem	100 x 1
57	Lead nitrate	Nice/Molichem	500 x 1
58	Liquor ammonia	Nice/Molichem	2.5litres
59	Magneson Reagent	Nice/Molichem	100 x 1
60	Manganese dioxide	Nice/Molichem	250 x 1
61	Manganese sulphate	Nice/Molichem	500 x 1
62	Mercuric Chloride	Nice/Molichem	100 x 1
63	Methyl acetate	Nice/Molichem	500 x 1
64	Methyl Orange	Nice/Molichem	100 x 1
65	Murexide	Nice/Molichem	100 x 1
66	n- Butanol	Nice/Molichem	500 x 1
67	Naphthalene	Nice/Molichem	500 x 1
68	1-Naphthol	Nice/Molichem	250 x 1
69	2- naphthol	Nice/Molichem	500 x 1
70	Nesslers Reagent	Nice/Molichem	100 x 1
71	Nickel Sulpahte	Nice/Molichem	500 x 1
72	Nitric acid pure	Nice/Molichem	2.5 litres
73	Nitrobenzene	Nice/Molichem	500 x 1
74	N-phenyl anthranilic acid	Nice/Molichem	500 x 1
75	n-propanol	Nice/Molichem	500 x 1
76	Oxalic acid AR	Nice/Molichem	500 x 1
77	Paracetamol	Nice/Molichem	500 x 1
78	Phenol	Nice/Molichem	500 x 1
79	Phenolphthalein Powder	Nice/Molichem	500 x 1
80	Phthalic acid	Nice/Molichem	500 x 1
81	Picric acid	Nice/Molichem	100 x 1
82	Potassium chloride	Nice/Molichem	500 x 1
83	Potassium chromate	Nice/Molichem	500 x 1
84	Potassium dichromate	Nice/Molichem	500 x 1
85	Potassium Ferricyanide	Nice/Molichem	100 x 1
86	Potassium ferrocyanide	Nice/Molichem	250 x 1



87	Potassium iodide	Nice/Molichem	500 x 1
88	Potassium oxalate	Nice/Molichem	500 x 1
89	Potassium permangante	Nice/Molichem	500 x 1
90	Potassium Sulphate	Nice/Molichem	100 x 1
91	Potassium thiocyanate	Nice/Molichem	500 x 1
92	Resorcinol	Nice/Molichem	500 x 1
93	S-benzyl thiouronium reagent	Nice/Molichem	500 x 1
94	Schiffs reagent	Nice/Molichem	250 x 1
95	Silica Gel for TLC	Nice/Molichem	500 x 1
96	Silicon High Vacuum Grease	Nice/Molichem	50 x 1
97	Silver nitrate	Nice/Molichem	25gm x 1
98	Sodium acetate	Nice/Molichem	500 x 1
99	Sodium carbonate (anhyrous)	Nice/Molichem	500 x 1
100	Sodium hydrogen carbonate	Nice/Molichem	500 x 1
101	Sodium hydroxide pellets	Nice/Molichem	500 x 1
102	Sodium metal	Nice/Molichem	500 x 1
103	Sodium nitrite AR	Nice/Molichem	500 x 1
104	Sodium potassium tartrate	Nice/Molichem	100 x 1
105	Sodium sulphide	Nice/Molichem	500 x 1
106	Sodium thio sulphate	Nice/Molichem	500 x 1
107	Stannous chloride	Nice/Molichem	100 x 1
108	Starch	Nice/Molichem	100 x 1
109	Sulphuric acid (commercial)	Nice/Molichem	2.5 litres
110	Toluene	Nice/Molichem	500 x 1
111	Urea	Nice/Molichem	500 x 1
112	Zinc sulphate AR	Nice/Molichem	500 x 1

List of Glass Wares and Equipments

No.	DESCRIPTION	BRAND	QUANTITY
1	Burette (50 ml)	Borosil/M-sil/Ventech/ Borosilicate	1 nos
2	Conical flask (100 ml)	"	1 nos
3	Conical flask (250 ml)	"	1 nos
4	Beaker (500 ml)	"	1 nos
5	Beaker (250 ml)	"	1 nos
6	Test Tube (15 ml)	"	1 nos
7	Boiling Tube	"	1 nos
8	Funnel	"	1 nos
9	Separating Funnel (250 ml)	"	1 nos
10	Glass rod 15/30 cm	"	1 Nos
11	Fussion tube	"	1 box
12	Iodine Falsk	"	1 nos
13	RB Flask (250 mL) 24/29 joint	"	1 nos
14	Water Condensor 450 mm 24/29 joint	"	1 nos



15	Capillary tube	"	1 Box
16	Melting Point Capillary Tube	"	1 Box
17	China Dish 75 mm	"	1 Nos
18	Beaker 1 Litre	"	1 Nos
19	Plastic Beaker 1 Litre	"	1 Nos
20	Plastic Beaker 2 Litre	"	1 Nos
21	Thermometer Sensitive 1/10 Temp 0-110°C 600 mm long	Glass	1 Nos
22	Thermometer Sensitive 1/10 Temp 0-110°C 450 mm long	Glass	1 Nos
23	Thermometer Sensitive 1/5 Temp 0-110°C	Glass	1 Nos
24	Crucible lid	Clay	1 nos
25	Wash bottle 500 mL Plastic	Plastic	1 nos
26	Dropper Teflon	Teflon	1 nos
27	Wire Gauge Double Asbestos framed	Metal	1 nos
28	Crucible Tongs SS 6"	Stainless steel	1 Nos
29	Clay Pipe triangle		1 Nos
30	Litmus paper		1 Nos
31	Rubber tube for Condensor		1 Nos



Geography

AMBILY.P.R
ASSISTANT PROFESSOR & HEAD



DEPARTMENT OF GEOGRAPHY
N.S.S COLLEGE, PANDALAM
(Reaccredited with 'B' Grade by NAAC)
PATHANAMTHITTA- Dist: KERALA
PIN- 689 501
Mob: 09496208845
Email- ambuprabhakar@gmail.com

15.3.2024

To
The Principal
N.S.S College, Pandalam

Respected Sir,

Subject: - List of Lab items to be purchase through PD Fund

I may bring your kind notice on that the Department of Geography requires the following lab items. I would like to request you to do the needful.

Sl.No.	ITEMS
1	Clinometer
2	Weather map
3	Toposheet
4	Prismatic Compass
5	Plane Table
6	Wall hanging chart of political map of world.
7	Wall hanging chart of physical map of world.
8	Wall hanging chart of physical map of India
9	Wall hanging chart of political map of India.
10	Wall hanging chart of political map of Kerala.
11	Wall hanging chart of physical map of Kerala.
12	Wall hanging chart of Rivers of Kerala.
13	Mineral test kit Moh's hardness scale in wooden box
14	Plastic tray box
15	U Magnet
16	Hand Lens
17	Map Rack


AMBILY. P. R
Assistant Professor
Department of Geography





DEPARTMENT OF BIOCHEMISTRY
NSS COLLEGE, PANDALAM

Dr. K.G. PADMAKUMARAN NAIR
Professor & Head

To
The Principal,
N.S.S College, Pandalam

26.03.2024

Sub: Purchase of chemicals & glass wares from PD fund- request reg:-

Sir,

The following items are required for the Dept. of Biochemistry. Kindly take necessary arrangements to purchase these items at an early date.

BIOCHEMICALS (Merck / Qualigens / Glaxo/SD fine /Loba etc.)

1. α -keto glutarate
2. Albumin (Bovine & Egg)
3. Arginine
4. DNA
5. Galactose
6. L-Histidine
7. L-Phenyl alanine
8. RNA
9. Vitamin C
10. Glucose
11. Fructose
12. Xylose
13. Maltose
14. Lactose
15. Sucrose
16. Starch
17. Dextrine
18. Tryptophan
19. Methionine
20. Histidine
21. Cysteine
22. Tyrosine
23. Proline
24. β - Carotene
25. Cholesterol

26. Vitamin A
27. Tripalmitin
28. Palmitic acid
29. Uric acid
30. Creatinine
31. DL Aspartate
32. Bilirubin
33. NAD⁺
34. Glutathione
35. Ribose
36. Aspartic Acid
37. Urease
38. Ninhydrin

**CHEMICALS (Merck / Qualigens /
Glaxo/SD fine/ Loba etc.)**

39. Ammonium sulphate
40. Anthrone
41. Barium chloride
42. Barium hydroxide
43. Copper acetate
44. Di chloro phenol indo phenol
45. Orcinol
46. TCA

47. Phenol
48. Acetic acid
49. Potassium Chloride
50. Potassium Hydroxide
51. Potassium Iodide
52. Potassium Oxalate
53. Picric acid
54. Sodium Carbonate
55. Ammonium Molybdate
56. Disodium hydrogen arsenate
(Sodium Arsenate)
57. Copper sulphate
58. pH tablets
59. 2,5- Dimethyl amino benzaldehyde
60. Phenyl hydrazine hydrochloride
61. Sodium Acetate
62. Sodium Carbonate Hydrated
63. Sodium hydroxide pellets
64. Sodium nitroprusside
65. Thiourea
66. Phenolphthalein
67. HClO₄
68. Acetaldehyde
69. Lithium carbonate
70. Sulphanilic acid
71. Metol (P- methylamine phenol sulphate)
72. Sodium bisulphate
73. Potassium dihydrogen phosphate
74. 2,7 - dichlorofluorescein (rhodamine)
75. Disodium hydrogen phosphate dehydrate
76. Potassium dihydrogen phosphate
(anhydrous)
77. Sodium hypochlorite
78. Sodium sulphate (anhydrous)
79. Silica Gel G
80. Sodium nitrite
81. Iodine Crystals
82. Mercuric Sulphate
83. Lead Acetate
84. Mercury Metal
85. Lead Peroxide
86. Thiobarbituric acid
87. Potassium thiocyanate
88. Sodium bicarbonate
89. sodium chloride
90. Paradimethyl amino benzaldehyde

91. Ammonium ferrous sulphate
92. Potassium permanganate
93. Tartaric acid
94. Gallic acid
95. Uric acid
96. Glycerine
97. Methyl orange
98. Trisodium Citrate (Sodium Citrate)
99. Coomassie Brilliant Blue G 250
100. Fused CaCl₂ for desiccators
101. Sodium tungstate
102. Silver nitrate
103. Ammonium Oxalate
104. Ammonium Chloride
105. Sodium Molybdate
106. Sodium Fluoride
107. Potassium tartarate
108. Potassium Phosphate
109. Ploroglucinol
110. A- Naphthol
111. Diacetyl monoxime
112. Diphenyl amine
113. Dipotassium oxalate
114. EDTA
115. Lead Dioxide
116. Lead Oxide
117. Mercuric Chloride
118. Mercurous Sulphate
119. Magnesium Sulphate
120. Mercuric Nitrate
121. Bromine Water
122. Ammonium molybdate


**ACIDS / SOLVENTS /
REAGENTS (Merck / Qualigens /
Glaxo /SD fine/ Loba etc.)**

123. Sulphuric acid
124. Hydrochloric acid
125. Nitric acid
126. Acetic acid
127. Methanol
128. Acetone
129. Acetoacetic acid (Acetoacetate)
130. Folin reagent (Phenol Reagent)

131. Isopropanol
132. Diethyl ether
133. Petroleum Ether(60-80)
134. Chloroform
135. Fouchet's Reagent
136. Hexane
137. Hydrogen Peroxide
138. Aniline
139. Phosphomolybdic acid
140. Phosphotungstic acid
141. Dinitrophenyl hydrazine
142. Oxalic acid
143. Molybdic acid
144. Ethyl acetoacetate
145. Ethylene diamine
146. Formaldehyde
147. Liquor Ammonia
148. Orthophosphoric acid
149. Orthotoluedene

170. Tongs
171. Stoppered Conical flask (250ml, 500ml)
172. Magnetic stirring bar (8 × 14mm & 8 × 30mm)

Thanking You
Yours faithfully



26/09/2024

Prof. (Dr.) K. G. PADMAKUMARAN NAIR
Head of the Dept. of Biochemistry
N.S.S. College, Pandalam
Pathanamthitta (Dist.)
Kerala-689 501

MISCELLANEOUS ITEMS

150. Disposable syringe (5ml, 10ml)
151. Wire net
152. Haemoglobinometer
153. Counting chamber
154. Wire Guaze
155. Dropping Pipettes
156. Bunsen Burner
157. pH paper (2-14)
158. pH Tablet (4,7 & 9)
159. Filter paper (Ordinary & Whatman)
160. Rubber bulb (Large & Medium)
161. Pipette stand (PVC- Horizontal & Vertical)
162. Cover slip
163. Glass slide
164. Wash bottle
165. Thermometer
166. Haemoglobin pipette
167. Separating funnel (250ml, 500ml)
168. Filter Paper (Whatman No. 1 & 40)
169. Test tube washing brush