

# Sanatana Dharma College

## Department of Botany

### PD purchase 2024

Sl. No	Name of Chemical	Grade	Quantity	No of bottles Required
1	Isopropanol	All Chemicals should be AR grade with purity >99, and Assay ≥99.5% & oxoid grade	2.5 l	1
2	Acetic Acid		500 ml	5
3	Acetocarmine		100 ml	3
4	Acetone		2.5 l	1
5	Benzene		500 ml	5
6	Butanol		2.5 l	1
7	Catechol		250 gm	3
8	Chloroform		500 ml	5
9	Clove Oil		100 ml	5
10	Coomasie Blue		100 mg	2
11	Diphenylamine		250 mg	3
12	DNS Reagent		250 mg	2
13	DPX		500 ml	5
14	EDTA		500 mg	3
15	Fast Green		100 mg	2
16	Formaldehyde		1000 ml	2
17	Glacial Acetic Acid		500 ml	5
18	Guaiacol s/n		500 ml	2
19	H <sub>2</sub> SO <sub>4</sub>		1000 ml	2
20	HCl		1000 ml	3
21	Isoamylalcohol		500 ml	3
22	KI <sub>3</sub>		100 mg	3
23	KOH		500 mg	3
24	Lamp solvent		1000 ml	2
25	Methylene Blue		120 ml	2
26	MgCl <sub>2</sub>		500 mg	3
27	MnCl <sub>2</sub>		500 mg	3
28	Mohr's Salt		500 mg	5
29	Na <sub>2</sub> CO <sub>3</sub>		500 mg	5
30	Na <sub>2</sub> HPO <sub>4</sub>		500 mg	5
31	NaOH		500 ml	5
32	Orange Red		100 ml	2
33	Phenolphthalin		125ml	3
34	Phosphoric Acid		500 ml	5
35	Potassium acetate		500 mg	5
36	Silica Gel for Column Chromatography		500 mg	5
37	Silica Gel for thin layer		500 mg	5
38	Tris Salt		100 mg	2
39	Saffranine		125 ml	2
40	Glycerine		500 ml	2

41	Xylene	All Chemicals should be AR grade with purity >99, and Assay ≥99.5% & oxoid grade	500 ml	4
42	Benedict's Reagent		500ml	2
43	Molisch's reagent		500ml	3
44	Iodine Solution		125ml	5
45	Copper Sulphate		500ml	2
46	Gram staining kit			2
47	Potassium dichromate		500gm	2
48	Paraffin wax pellet		500gm	2
49	Ferrous ammonium sulphate		500gm	2
50	Nitric acid		500 ml	2
51	Sodium thiosulphate		500gm	2
52	Ethyl acetate		500 ml	2
53	Toluene		500 ml	4
54	Potassium nitrate		500 gm	2
55	Trichloro ethylene		500 ml	1
56	Dimethylsulphoxide		500 ml	2
57	Calcium Chloride Dihydrate		500 gm	2
58	Phenol		500 ml	2
<b>Sl. No</b>	<b>Name of Glassware</b>		<b>Trade Name</b>	<b>Specification</b>
1	Burette	All glass items should be made with thermal resistant Borosilicate glass	100 ml	10
2	Cavity Block for Microtechnique		Tile (40 x 40 mm)	10
3	Cavity Block for Microtechnique		Glass(40 x40 mm)	10
4	Column for Chromatography		50 ml	4
5	Coplin Jar		Glass	18
6	Coverslip		100 Nos	10
7	Forceps		Steel ( Large)	10
8	Forceps		Steel ( Small)	25
9	Glass Rod			10
10	Microslides		50 Nos	10
11	Petridish		Standard Size	50
12	Reagent Bottle		Plastic (Small 10 ml)	50
13	Seperating funnel		250 ml	2
14	Test Tube Stand		Plastic	20
15	Test Tubes		10 x 75 mm	100
16	TLC Chamber		glass (Standard Si	10
17	TLC Plate		glass (Standard Si	10
18	Tray		Plastic (Medium)	30
19	Wash Bottles		Plastic (Medium)	30
20	Watch Glass		Standard Size	50
21	Micropipette		1 ml	10
22	Micropipette		0.1 ml	10
23	Test tube hand holder			20
24	Beaker		1000ml	3
25	Cover glass	Blue star	22x40mm 10gms	5
26	Blotting Paper for Cytology		sheets	10
27	Filterpaper	What'sman or Equivalent		1pkt

28	PH meter	<p>Range 0 to 14  Range <math>\pm 1999</math>  Resolution 1  Accuracy <math>\pm 0.1\%</math> of Range  . or <math>\pm 2</math> counts  Repeatability <math>\pm 1</math>  Readability 0.01  Accuracy <math>\pm 0.01</math>  Repeatability <math>\pm 0.01</math>  Stability <math>\pm 0.05</math> in 8 hrs</p>		1
29	Weighing balance	<p><b>Capacity</b> 120 g / 42 g  <b>Minimum display</b> 0.1 mg / 0.01 mg  <b>Repeatability</b> (Standard deviation, <math>\sigma</math>)  <math>\leq 0.1</math> mg (large range)  <math>\leq 0.02</math> mg (small range)  <b>Linearity</b>  <math>\pm 0.2</math> mg (large range)  <math>\pm 0.03</math> mg (small range)  <b>Response time</b> (typical)  3 s (large range)  12 s (small range)  <b>Pan Size</b>  <b>80 mm dia.</b> approx  Calibration modes PSC, Clock-CAL,  Touch-key with built-in or external weight</p>		1
30	Ganong Respirometer			1
31	Wilmot's Blubber			1
32	Respiroscope			1
33	Kuhn's apparatus			1
34	Clinostat			1
35	Arc auxanometer			1
36	Mortar and pestle	Ceramic	small	10
37	Mortar and pestle	Ceramic	large	3
38	Conductivity meter			1
39	Separating funnel holder	Plastic		4