

Standard List of Science Laboratory Equipment, Glassware & Chemicals for Lower Secondary School

Chemicals

Sl. #	Items	Qty.
1	Acetic acid	500 ml
2	Alum	250 g
3	Aluminium	250 g
4	Aluminium hydroxide	240 g
5	Ammonia	500 ml
6	Ammonium chloride	500 g
7	Ammonium hydroxide	500 ml
8	Ammonium sulphate	250 g
9	Barium chloride	500 g
10	Barium sulphate	500 g
11	Benedict solution	500 ml
12	Calcium bicarbonate	250 g
13	Calcium carbonate	500 g
14	Calcium chloride	500 g
15	Calcium hydroxide	500 g
16	Calcium oxide	500 g
17	Calcium powder	100 g
18	Calcium sulphate	250 g
19	Carbon disulphide	500 ml
20	Cobalt chloride paper	2 pkt.
21	Copper carbonate	250 g
22	Copper nitrate	250 g
23	Copper oxide	500 g
24	Copper turnings	250 g
25	CuSO ₄ (crystals)	500 g
26	Eosin dye	200 g
27	Ethyl alcohol	500 ml
28	Ferric chloride	500 g
29	Ferrous sulphate	500 g
30	Filter paper (9.0cm)	2pkts. (100 pcs)
31	Glucose	500 g
32	Glycerine	500 ml
33	Hydrochloric acid (conc.)	1 litre
34	Hydrogen peroxide (30%)	500 ml
35	Iodine crystals	250 g
36	Iodine solution	500 ml
37	Iron filings	250 g
38	Lead dioxide	250 g
39	Lead monoxide	500 g
40	Lead nitrate	500 g

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41	Litmus paper:	
	Blue	2 pkt.
	Red	2 pkts. (100 pcs)
42	Litmus solution:	
	Blue	125 ml
	Red	125 ml
43	Magnesium bicarbonate	250 g
44	Magnesium carbonate	500 g
45	Magnesium ribbon	100 g
46	Magnesium sulphate	500 g
47	Manganese dioxide	500 g
48	Mercury	500 g
49	Mercury oxide	300 g
50	Methyl orange	500 ml
51	Methylene blue	500 ml
52	Napthalene	250 g
53	Nitric acid (conc.)	1000 ml
54	pH paper (0-14 scale)	2 pkt.
55	Phenolphthalein	500 ml
56	Potassium hydroxide	500 g
57	Potassium iodide	100 g
58	Potassium nitrate	500 g
59	Red lead oxide	250 g
60	Safferin blue	500 ml
61	Sodium bicarbonate	500 g
62	Sodium carbonate	250 g
63	Sodium chloride	500 g
64	Sodium hydroxide	500 g
65	Sodium metal	50 g
66	Sodium nitrate	250 g
67	Sodium nitrite	250 g
68	Sodium sulphate	250 g
69	Spirit	10 litres
70	Starch	500 g
71	Sucrose	500 g
72	Sulphur powder	250 g
73	Sulphuric acid (conc.)	1000 ml
74	Universal indicator paper	1 roll
75	Universal indicator solution	500 ml
76	Vinegar	250 g
77	Wax paraffin	500 g
78	White petroleum jelly	250 g
79	Xylene	500 ml

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80	Yeast powder	200 g
81	Zinc (granulated)	100 g
82	Zinc carbonate	500 g
83	Zinc metal	250 g
84	Zinc nitrate	500 g
85	Zinc oxide	500 g