

The following chemicals are required for laboratory purpose:

(Preference of companies: [1] Merck, [2] Ranchem, [3] SRL, [4] S D fine)

Sl. No	Compound	Required amount (from Merck)
1.	Aluminium Chloride	1 x 500 g
2.	Aluminium Oxide	2 x 500 g
3.	Aluminium Suphate	2 x 500 g
4.	Aluminium powder	1 x 500 g
5.	Aluminium Foil	1 file
6.	Aluminium Phosphate	2 x 500 g
7.	Aluminium Ammonium Sulphate	1 x 500 g
8.	Aluminium fluoride	1 x 500 g
9.	Ammonium Acetate	3 x 500 g
10.	Ammonium Sulphate	3 x 500 g
11.	Ammonium Bromide	1 x 500 g
12.	Ammonium Borate	2 x 500 g
13.	Ammonium Iodide	1 x 500 g
14.	Ammonium Molybdate	2 x 500 g
15.	Ammonium Chloride	2 x 500 g
16.	Ammonium Biphosphate	2 x 500 g
17.	Ammonium Phosphate	2 x 500 g
18.	Ammonium Thiocyanate	8 x 500 g
19.	Ammonium Nitrate	5 x 500 g
20.	Antimony Nitrate	1 x 500 g
21.	Antimony Trioxide	3 x 500 g
22.	Antimony Oxide	2 x 500 g
23.	Antimony Sulphide	2 x 500 g
24.	Arsenic Trioxide	3 x 500 g
25.	Arsenic Sulphide	3 x 500 g
26.	Arsenic Chloride	2 x 500 g
27.	Barium Phosphate	2 x 500 g
28.	Barium Chloride	2 x 500 g
29.	Barium Carbonate	1 x 500 g
30.	Barium Borate	1 x 500 g
31.	Barium Chromate	1 x 500 g
32.	Barium Sulphite	1 x 500 g
33.	Barium hydroxide	1 x 500 g
34.	Barium Sulphide	1 x 500 g
35.	Barium Thiosulphate	1 x 500 g
36.	Bismuth Trichloride	2 x 500 g
37.	Bismuth Nitrate	3 x 500 g
38.	Bismuth Sub Nitrate	1 x 500 g
39.	Bromo-cresol green	
40.	Bismuth Oxide	2 x 500 g
41.	Boric Acid	5 x 500 g
42.	Borax	3 x 500 g
43.	Cadmium Carbonate	2 x 500 g

44.	Cadmium Nitrate	2 x 500 g
45.	Cadmium Sulphate	2 x 500 g
46.	Cadmium sulphide	2 x 500 g
47.	Cadmium Oxide	2 x 500 g
48.	Calcium Acetate	1 x 500 g
49.	Calcium Borate	1 x 500 g
50.	Calcium Carbonate	1 x 500 g
51.	Calcium Fluoride	3 x 500 g
52.	Calcium Phosphate	2 x 500 g
53.	Calcium Nitrate	1 x 500 g
54.	Calcium sulphide	1 x 500 g
55.	Calcium Sulphate	3 x 500 g
56.	Calcium Chloride	5 x 500 g
57.	Chrome Alum	1 x 500 g
58.	Chromium Trioxide	3 x 500 g
59.	Chromium Sulphate	1 x 500 g
60.	Chromium Chloride	1 x 500 g
61.	Chromium Phosphate	1 x 500 g
62.	Cobalt Nitrate	1 x 500 g
63.	Cobalt Phosphate	1 x 500 g
64.	Cobalt Oxide	3 x 500 g
65.	Cobalt Chloride	2 x 500 g
66.	Copper Acetate	1 x 500 g
67.	Copper Borate	2 x 500 g
68.	Copper Chloride(us)	1 x 500 g
69.	Copper Sulphide	2 x 500 g
70.	Copper Sulphate	2 x 500 g
71.	Copper Phosphate	1 x 500 g
72.	Copper Oxide	2 x 500 g
73.	Cupric Oxide	2 x 500 g
74.	Copper Nitrate	3 x 500 g
75.	Copper Bromide	1 x 500 g
76.	Di Methyl Glyoxime	1 x 500 g
77.	Ferrous Sulphate	2 x 500 g
78.	Ferrous Sulphide	30 x 1 kg
79.	Ferrous Ammonium Sulphate	5 x 500 g
80.	Ferric Ammonium Sulphate	1 x 500 g
81.	Ferric Phosphate	2 x 500 g
82.	FeCl ₃	
83.	Ferric Oxide Red (Fe ₂ O ₃)	4 x 500 g
84.	Glycerine	1 x 500 mL
85.	Iodine	3 x 500 g
86.	Hydrogen Peroxide	2 x 500 mL
87.	Lead Bromide	1 x 500 g
88.	Lead Chloride	2 x 500 g
89.	Lead Chromate	3 x 500 g
90.	Lead Iodide	1 x 500 g
91.	Lead Monoxide	1 x 500 g

92.	Lead Sulphate	1 x 500 g
93.	Lead Nitrate	2 x 500 g
94.	Magnesium Bromide	1 x 500 g
95.	Magnesium Oxide	1 x 500 g
96.	Magnesium Phosphate	2 x 500 g
97.	Magnesium Sulphate	1 x 500 g
98.	Manganese Dioxide	2 x 500 g
99.	Manganese Bromide	1 x 500 g
100.	Manganese Chloride	2 x 500 g
101.	Manganese Sulphate	3 x 500 g
102.	Mohr Salt	
103.	Manganese Phosphate	2 x 500 g
104.	Mercurous Chloride	2 x 500 g
105.	Mercuric Iodide	2 x 500 g
106.	Mercuric Oxide (red)	2 x 500 g
107.	Mercuric Oxide (yellow)	1 x 500 g
108.	Mercuric Sulphide	1 x 500 g
109.	Mercuric Sulphate	1 x 500 g
110.	Mercurous Nitrate	1 x 500 g
111.	Mercuric Chloride	4 x 250 g
112.	Nickel Sulphate	3 x 500 g
113.	Nickel Nitrate	2 x 500 g
114.	Nickel Chloride	1 x 500 g
115.	Nickel Oxide	2 x 500 g
116.	Nickel Phosphate	2 x 500 g
117.	Nickel Bromide	1 x 500 g
118.	Nickel Borate	1 x 500 g
119.	Nickel Ammonium Sulphate	1 x 500 g
120.	Potassium Sulphate	1 x 500 g
121.	KHTa	
122.	Potassium hydroxide	1 x 500 g
123.	Potassium Phosphate	2 x 500 g
124.	Potassium Pyro Antimonate	1 x 500 g
125.	Potassium Permanganate	5 x 500 g
126.	Potassium Nitrite	1 x 500 g
127.	Potassium Iodide	5 x 500 g
128.	Potassium Bromide	1 x 500 g
129.	Potassium Ferrocyanide	1 x 500 g
130.	Potassium Ferricyanide	1 x 500 g
131.	Potassium Dichromate	2 x 500 g
132.	Potassium Chloride	2 x 500 g
133.	Potassium arsenate	1 x 500 g
134.	Potassium Alum	1 x 500 g
135.	Sodium Acetate	1 x 500 g
136.	Sodium Arsenate	1 x 500 g
137.	Sodium Arsenite	1 x 500 g
138.	Sodium bromide	2 x 500 g
139.	Sodium Borate	1 x 500 g

140.	Sodium Bismuthate	1 x 500 g
141.	Sodium Carbonate	1 x 500 g
142.	Sodium Bicarbonate	2 x 500 g
143.	Sodium Hydroxide	2 x 500 g
144.	Sodium Nitrate	2 x 500 g
145.	Sodium Iodide	2 x 500 g
146.	Sodium Nitro Pruside	1 x 500 g
147.	Sodium Sulphide	1 x 500 g
148.	Sodium Sulphate	1 x 500 g
149.	Sodium Sulphite	1 x 500 g
150.	Sodium Thio Sulphate	4 x 500 g
151.	Di Sodium Hydrogen Phosphate	1 x 500 g
152.	Solid Iodine	
153.	Sodalime	1 x 500 g
154.	Sodium Potassium Tartarate	1 x 500 g
155.	Stroncium Bromide	1 x 500 g
156.	Stroncium Nitrate	2 x 500 g
157.	Stroncium Sulphate	4 x 500 g
158.	Stroncium Sulphide	1 x 500 g
159.	Stroncium Phosphate	2 x 500 g
160.	Stannous Chloride	4 x 250 g
161.	Silver Nitrate	4 x 50 g
162.	Stanic Oxide	2 x 500 g
163.	AgCl	
164.	Tin Metal	2 x 100 g
165.	Zinc Urinyl Acetate	1 x 25 g
166.	Zinc Bromide	1 x 500 g
167.	Zinc Borate	1 x 500 g
168.	Zinc Dust	1 x 500 g
169.	Zinc Metal	1 x 500 g
170.	Zinc Sulphide	1 x 500 g
171.	Zinc Sulphate	1 x 500 g
172.	Zinc Phosphate	1 x 500 g
173.	Ammonium Hydroxide	1 x 2.5 L
174.	Phosphoric Acid	1 x 2.5 L
175.	Eriochrome-Black-T indicator	
176.	Activated charcoal	
177	Potassium Iodide (KI)	[4x100g or 2x250g]
178	Iodine (I ₂)-	[250g]
179	Steel	-[100g or 250g]
180	Sodium Bismuthate	(NaBiO ₃)-[250g]
181	Sodium Bisulphite	(NaHSO ₃)-[2x250g]
182	Tartar emetic (antimony and potassium tartrate)-	[250g]
183	Zinc nitrate hexahydrate	(Zn(NO ₃) ₂ .6H ₂ O)-[250g]
184	Sintered bed glass crucible (No.4)-[12 Numbers]

185	Sodium arsenite (Na ₃ AsO ₃)-	[250g]
186	1,10-phenanthroline monohydrate	-[250g]
187	Ammonium thiocyanate (NH ₄ SCN)-	[2x500g]
188	Zinc acetate dehydrate (Zn(CH ₃ COO) ₂ ·2H ₂ O)-	[500g]
189	Hexamethylenetetramine (HMTA)-	[250g]
190	Trizma (Tris base)-	[250g]

The following chemicals are for **MSc Project work (Urgent)**:

The chemicals should be from Merck or from Sigma-Aldrich

177.	Zinc Nitrate Hexahydrate [Zn(NO ₃) ₂ .6H ₂ O]	2 x 500 g
178.	Diglime	1 x 500 mL
179.	Zinc acetate Dihydrate	1 x 500 g
180.	Hexamethylenetetramine	1 x 250 g
181.	Trizma [Tris base]	1 x 250 g
182.	Gold Aurochloric acid [HAuCl ₄]	2 x 100 mg
183.	Titanium (IV) Isopropoxide	2 x 100 mL
184.	Potassium Periodate [KIO ₄]	1 x 100 g
185.	Ceric Ammonium Nitrate[(NH ₄) ₂ Ce(NO ₃) ₆]	1 x 100 g
186.	Titanium (IV) bis(ammonium lactate) dihydroxide (TiBALDH)	1 x 100 mL
187.	Ceric Nitrate [Ce(NO ₃) ₃ .6H ₂ O]	1 x 100 g
188.	Iridium (IV) Chloride	1 x 1 g
189.	Cetyltrimethyl ammonium bromide [CTAB]	1 x 500 g
190.	Aminopropyltrimethoxy silane [APTMS]	1 x 100 mL
191.	Polydimethoxysilane [PDMS] + Curing agent	1 pack (500 g + 100 mL)
192.	2-Methylimidazole	1 x 100 g
193.	Triethanolamine	1 x 100 mL
194.	Titanium (IV) Chloride	1 x 250 mL
195.	Isopropyl Alcohol	2 x 500 mL
196.	Ferrous Chloride hydrated	1 x 500 g
197.	Ferric Chloride hydrated	1 x 500 g
198.	Sodium Citrate	1 x 500 g
199.	Hydroxypropyl methyl cellulose (HPMC)	1 x 500 g
200.	Dextran	1 x 500 g
201.	Dextrine White	1 x 500 g
202.	Hydroxy propyl cellulose (HPC)	1 x 500 g
203.	Polyvinylmethyl ether (PVME)	1 x 500 mL
204.	Sodium Borohydride	1 x 500 g