

## Chemicals Requirement for B.Sc. Chemistry Lab

### Acids

1. Acetic acid
2. Adipic acid
3. Benzoic acid
4. Chlorosulphonic acid
5. Glacial acetic acid
6. Hydrochloric acid
7. Nitric acid
8. Oxalic acid
9. Phosphoric acid
10. Picric acid
11. Salicylic acid
12. Sulphuric acid

### Bases

14. Ammonia liquor
15. Potassium hydroxide
16. Sodium hydroxide

### Gen. Chemical

17. 1 – Naphthylurea
18. 1- butanol
19. 1- nitro so –2 – naphthol
13. Potassium Hydrogen phthalate
20. 2, 4 – dinitrophenyl hydrazine
21. 3, 5 – Dinitrobenzoyl chloride
22. Acetanilide
23. Acetic anhydride
24. Acetyl chloride
25. Alumina
26. Aluminium chloride
27. Ammonium acetate
28. Ammonium hydrogen sulphite
29. Ammonium hydroxide
30. Ammonium molybdate
31. Ammonium phosphate
32. Ammonium salt aurine tricarboxylic acid
33. Ammonium sulphate
34. Ammonium thiocyanate
35. Amyl alcohol
36. Anhydrous sodium
37. Aniline
38. Aniline hydrogen phthalate
39. Antimony sulphide
40. Aspirin (sample)
41. Barium carbonate
42. Barium chloride

43. Benzene sulphonyl chloride
44. Bismuth carbonate
45. Bismuth chloride
46. Bismuth nitrate
47. Bromine
48. Cadmium carbonate
49. Calcium carbonate
50. Calcium chloride
51. Calcium sulphate
52. Camphor
53. Ceric ammonium nitrate
54. Cobalt chloride
55. Cobalt nitrate
56. Cobalt sulphate
57. Copper carbonate
58. Copper sulphate
59. Diammonium hydrogen phosphate
60. Diethyl ether
61. Diphenyl amine / Sodium Disphenyl Amine Sulphonate
62. Ferric chloride
63. Ferrous ammonium sulphate
64. Ferrous sulphide
65. Glucose
66. Hexamethylene diamine
67. Hydroxy quinoline
68. Hydroquinone
69. Hydroxylamine hydrochloride
70. Iodine
71. Iodine trichloride
72. L-alanine
73. Lead (IV) oxide
74. Lead carbonate
75. Lead chloride
76. Lead nitrate
77. Lead sulphate
78. Liquid paraffin
79. L-Lencine/, L-lysine/, L-Aspartic Acid
80. Magnesium sulphate
81. Magnesium sulphate
82. Manganese nitrate
83. Manganese sulphate
84. Manganse sulphate
85. Mercuric chloride
86. Mercurous nitrate
87. Methionine

88. Methyl iodide
89. N,N-dimethyl aniline
90. Naphthalene
91. Nickel carbonate
92. Nickel chloride
93. Nickel sulphate
94. p- toluene
95. p-Anisidine hydrochloride
96. Phenol
97. Potash alum
98. Potassium chromate
99. Potassium dichromate
100. Potassium hexacyano ferrate  
(Ferrocyanate / ferrocyanide)
101. Potassium iodide
102. Potassium nitrate
103. Potassium permanganate
104. Potassium peroxy disulphate
105. Potassium sulphate
106. Potassium tetra oxaloferrate &  
trioxaloferrate
107. Potassium thiocyanate
108. Pyridine.
109. Semicarbazide hydrochloride
110. Silvernitrate
111. Soda-lime
112. Sodium acetate
113. Sodium ammonium chloride
114. Sodium ammonium thiocyanate
115. Sodium azide
116. Sodium bicarbonate
117. Sodium bismuthate (IV)
118. Sodium borate, borax
119. Sodium carbonate
120. Sodium chloride
121. Sodium nitrite
122. Sodium potassium tartarate
123. Sodium rhodizonate
124. Sodium Salt of EDTA
125. Sodium sulphate
126. Sodium sulphite
127. Sodium thiosulphate
128. Stannous chloride
129. Stannous sulphate
130. Starch
131. Strontium carbonate
132. Strontium nitrate
133. Sugars
134. Tetraammine copper sulphate  
monohydrate
135. Thionyl chloride

136. Thiourea
137. Toluene
138. Urea
139. Zinc carbonate
140. Zinc sulphate

### Solvents

141. Ethanol
142. Hydrogen peroxide
143. Dioxane
144. Ethyl acetate
145. Benzene
146. Pyridine
147. Acetone
148. Dimethylformamide (DMF)
149. Carbon tetrachloride
150. Dimethyl glyoxime (DMG)
151. Ether
152. Propanol – I
153. Petroleum ether
154. Formalin solution
155. Methanol

### Indicators

156. Eriochrome Black – T
157. Methyl ene blue
158. Methyl Orange
159. Methyl red
160. Murexide indicator
161. Phenol red
162. Phenolphthalein
163. Solochrome Black Indicator

### Organic Reagents

164. Brady's reagent
165. Lucas reagent
166. Schiff's reagent
167. Tollen's reagent