

**ANNEX 2: SPECIFICATIONS FOR CHEMISTRY AND BIOLOGY  
CHEMICAL REAGENTS**

Sn	Specifications for Chemistry and Biology Chemical Reagents	Qty
	Item	
1.	Acetaldehyde (Ethanal) 250g	1
2.	Acetic acid (Ethanoic acid)	1
3.	Albumen egg powder	1
4.	Acetone (Propanone)	1
5.	Aluminium chloride (250g)	1
6.	Aluminium oxide	1
7.	Aluminium nitrate (500g)	1
8.	Aluminium Sulphate (500g)	1
9.	Ammonia solution (1l)	2
10.	Ammonium carbonate (500g)	1
11.	Ammonium chloride (500g)	1
12.	Ammonium ferric sulphate	1
13.	Ammonium ferrous sulphate	1
14.	Ammonium nitrate	1
15.	Ammonium oxalate (500g)	1
16.	Ammonium sulphate	1
17.	Ammonium thiocyanate	1
18.	Amylase (25g)	3
19.	Ascorbic acid (100g)	2
20.	Barium Carbonate (500g)	1
21.	Barium chloride (500g)	1
22.	Barium Nitrate (500g)	1
23.	Barium Sulphate (500)	1
24.	Benedict's solution (1l)	2
25.	Benzaldehyde (500ml)	1
26.	Bicarbonate indicator (500ml)	1
27.	Borax (di-sodium tetraborate (III) – 10 water)	1
28.	Brady's Reagent (2, 4-dinitrophenyl hydrazine) (10g)	1
29.	Bromine water (500ml)	1
30.	1-Bromothymol blue (water-solution)	1
31.	Butan -1-01	1
32.	Butan -2-01	1
33.	Calcium carbonate	2
34.	Calcium hydroxide (500g)	2
35.	Calcium metal	1
36.	Chloroform (Trichloromethane) (1l)	2
37.	Chromium (iii) sulphate (100g)	1
38.	Cobalt carbonate (100g)	1
39.	Cobalt chloride	2
40.	Copper (ii) carbonate (250g)	2

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41.	Copper (ii) sulphate (Anhydrous) (250g)	2
42.	Copper (II) sulphate PENTAHYDRATE (500g)	1
43.	Cupric chloride (250g)	2
44.	Diastase	1
45.	Di-sodium hydrogen ortho phosphate (250g)	1
46.	2, 6 Dichlorophenol – indophenol (DCP1P) (1g)	2
47.	Dimethylglyoxime (100g)	1
48.	Enzymes (Ivertase)	1
49.	EOSIN (500ml)	1
50.	Ethanol (1l)	3
51.	Fehling’s solutions (No.1) (500ml)	2
52.	Fehling’s solutions (No.2	2
53.	Ferric sulphate (500g)	1
54.	Ferrous sulphate (500g)	1
55.	Formaldehyde (1l)	2
56.	Formic acid (500ml)	1
57.	Fructose (100g)	2
58.	Glucose (500g)	2
59.	Hydrochloric acid (concentrated) 1.18 (1l)	2
60.	Hydrogen peroxide (100 vol) (1l)	2
61.	Hydrogen peroxide (50 vol)	1
62.	Hydrochloric acid (2.5L)	1
63.	Iodine crystals (100g)	1
64.	Iodine solution (Lugol’s) (1l)	1
65.	Iron (III) chloride (anhydrous)	1
66.	Lead (ii) chloride (250g)	1
67.	Lead (II) Nitrate (250g)	2
68.	Lead (ii) sulphate (500g)	1
69.	Lead acetate (250g)	1
70.	Lead carbonate (500g)	1
71.	Lead monoxide	1
72.	Lead (IV) oxide	1
73.	LEISHMANS	1
74.	Lime water (100ml)	5
75.	Litmus indicator paper – Blue (Johnson)	2
76.	Litmus indicator paper – Red (Johnson)	2
77.	Litmus indicator paper-Japson (Blue PK of 10)	2
78.	Litmus indicator paper-Japson (Red PK of 10)	2
79.	Litmus solution (125ml)	2
80.	Magnesium (ribbon)	1
81.	Magnesium carbonate	1
82.	Magnesium chloride (500g)	1

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83.	Magnesium sulphate (500g)	1
84.	Manganese chloride (500g)	1
85.	Manganese nitrate	1
86.	Manganese (iv) oxide (250g)	2
87.	Marble chips (500g)	2
88.	Methanol (1l)	2
89.	Methyl orange indicator (25g)	1
90.	MILLONS REAGENT (500ml)	1
91.	Nickel (ii) carbonate (100g)	1
92.	Nickel (ii) chloride (100g)	1
93.	Nickel (ii) nitrate	1
94.	Nickel (ii) sulphate (100g)	1
95.	Nitric acid (concentrated) 50 % 1l	1
96.	Nitric acid (concentrated) 2.5l	1
97.	Oxalic acid (500g)	1
98.	Pepsin (25g)	3
99.	Phenol crystals	1
100.	Phenolphthalein indicator solid (25g)	2
101.	Plasticine bars (500g)	4
102.	Potassium bromide (250g)	1
103.	Potassium chlorate (100g)	1
104.	Potassium chromate (500g)	1
105.	Potassium dichromate (500g)	1
106.	Potassium hydroxide (500g)	1
107.	Potassium ferricyanide	1
108.	Potassium ferrous cyanide	1
109.	Potassium iodate (100g)	1
110.	Potassium iodide (100g)	2
111.	Potassium nitrate	1
112.	Potassium permanganate (500g)	1
113.	Potassium thiocyanate (500g)	1
114.	Propan-2-ol (Iso-propyl alcohol) (500ml)	1
115.	Propan-1-ol	1
116.	Silver nitrate (School grade) (10g)	2
117.	Sodium acetate(ethanoate)	1
118.	Sodium benzoate	1
119.	Sodium bicarbonate (sodium hydrogen carbonate)	2
120.	Sodium bismuthate (25g)	1
121.	Sodium carbonate (anhydrous) (500g)	2
122.	Sodium carbonate (decahydrate) (500g)	1
123.	Sodium hydroxide pellets (500g)	4
124.	Sodium metabisulphite	1

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125.	Sodium sulphite (hydrated)	1
126.	Sodium thiosulphate (500g)	4
127.	Stains (Methylene blue (25g)	1
128.	Starch (soluble) (500g)	2
129.	Sucrose (500g)	2
130.	Sudan (iii) (25g)	1
131.	Sulphuric acid (concentrated) (1l)	2
132.	Sulphur powder (500g)	2
133.	Trypsin) (25g)	2
134.	Universal indicator (solution pH 1.0 – 14.0)	1
135.	Universal indicator (solution pH 4.0 – 11.0)	1
136.	Universal indicator pH chart 1.0 – 14.0)	1
137.	Urea (500g)	1
138.	Yeast (250g)	1
139.	Zinc (granules) (100g)	1
140.	Zinc powder (zinc dust)	1
141.	Zinc carbonate (250g)	2
142.	Zinc sulphate (500g)	1
143.	Charts digestive system	1
144.	Charts human ear	1
145.	Charts human nervous system	1
146.	Charts human teeth	1
147.	Charts reproductive female	1
148.	Charts reproductive male	1
149.	Charts skeleton	1
	<b>Total</b>	