

# Testing

## 1. Chemical & Microbiology

No	Item	Parameter
	<b>Cosmetics/ House hold products</b>	
1	After shave	Ethanol content
2	Baby Oil	as per SLS 1191
3	Cologne/Baby Colognes	Ethanol content
4	Hair conditioners	as per SLS 1346
5	Hair cream	as per SLS 611
6	Hair dye	as per SLS 1123 Alkalinity Qualitative analysis of PPD in hair dye
7	Hair gel	Total non aqueous content, pH, Thermal stability, Water content, Microbiological
8	Hair Oil	as per SLS 1341
9	Hair Oil	as per IS 7123
10	Hair shampoo for babies	as per SLS 1342
11	Hair straighteners	pH, Total Alkalinity, Thioglycolic acid
12	Liquid toilet soap	as per SLS 1142
13	Scouring powder	as per SLS 461
14	Shampoo	as per SLS 1346
15	Shaving cream /Shaving foam	as per SLS 796
16	Skin creams and lotions	as per SLS 743
17	Skin creams and lotions for babies	as per SLS 742
18	Skin powder	as per SLS 389
19	Skin powder for infants	as per SLS 187

No	Item	Parameter
20	Soap	Bathing Bar: as per SLS 1220 Baby Soap: as per SLS 547 Carbolic Soap: as per SLS 35 Laundry Soap: as per SLS 554 Toilet Soap: as per SLS 34 Shaving Soap: as per SLS 36 Laundry Soap powder, flakes, chips: as per SLS 38 Soft Soap: as per SLS 37
21	Synthetic laundry Detergent powder	as per SLS 760
22	Synthetic organic liquid detergents for household use	as per SLS 687
23	Toothpaste	as per SLS 275
24	General	Foreign Organic Matter, Purity of Anionic Surfactants, Viscosity, Hydrogen peroxide percentage, Bromate Percentage, Arsenic Peroxide value, Acid value, Bulk Density of Talcum Powder, Tap Density of Talcum Powder, Lead
	<b>Food</b>	
25	Animal feeds	as per SLS 626
26	Artificial Cordials	as per SLS 221
27	Barley	Damaged grains, Insect Infestation, Moisture, Impurities, Cooking Test
28	Bees Honey	Reducing sugar, Total Ash, Sucrose, Fructose, Fructose/Glucose ratio, Hydroxy methyl furfural, Acidity as formic acid, Moisture
29	Biscuits	as per SLS 251
30	Black gram	as per SLS 663
31	Black seed oil	Average Weight, <i>E.coli</i> , <i>Salmonella</i> , APC, Polarization Value, Sulphur, dioxide Content, Heavy metals, (Arsenic, Copper, Lead, Mercury ), Invert sugars, Water insoluble matter, Colour, Conductivity Ash, Loss on Drying
32	Brown sugar	as per SLS 883 except Polarization Value
33	Butter	as per SLS 279

<b>No</b>	<b>Item</b>	<b>Parameter</b>
34	Canned Fish	as per SLS 291
35	Canned Mangoes	Brix value of syrup, Lead, Tin, Drained mass, Fill of container
36	Canned Pineapple	Brix value of syrup, Lead, Tin, Drained mass
37	Canned Tomato Juice	as per SLS 390
38	Carbohydrate	Protein, Total ash, Total sugars, Crude fiber, Fat content, Moisture
39	Carbonated Drinks	Sugar, Sulphur dioxide, Benzoic acid, Arsenic, Copper, Tin, Caffeine, Aerobic plate count, Total coliforms, Yeast & mould count
40	Cashew Kernel	Grading, Moisture
41	Cheese	as per SLS 773
42	Chillie Pieces	as per SLS 117
43	Chillie Powder	Total ash, Stalk percentage, Added starch, Sudan dyes (HPLC) , Sudan dyes (Spectrophotometry), Non volatile ether extract, Acid Insoluble Ash, Crude Fiber, Added colour, Moisture, Particle size
44	Chillie Sauce	as per SLS 581
45	Chocolate	Total ash, Fat free milk solids, Sucrose, Total fat, Fat free cocoa, solids, Moisture, Milk fat
46	Chutney Mango	as per SLS 446
47	Cigarettes	as per SLS 309
48	Cocoa Powder	Total ash, Acid Insoluble Ash, Zinc, Arsenic, Cadmium, Copper, Lead, Cocoa Butter, Crude Fibre, Moisture, Alkalinity of ash, Particle size
49	Cocoa Butter	as per SLS 148
50	Coconut oil cakes and meal	Ammoniacal Nitrogen, Protein, Acid Insoluble Ash, Crude fiber, Fat content, Moisture
51	Coffee Beans	as per SLS 736
52	Condensed Milk	as per SLS 179
53	Confectionery(Hard boiled toffee)	as per SLS 585
54	Coriander Powder	Total ash, Acid Insoluble Ash, Moisture
55	Coriander whole	as per SLS 246

No	Item	Parameter
56	Corn (Maize)	as per SLS 851
57	Corn Flour (Maize starch)	as per SLS 964
58	Curd	as per SLS 824
59	Custard powder	as per SLS 958
60	Desiccated Coconut	as per SLS 98
61	Dried Fish	as per SLS 643
62	Milk based drinks	Total sugars, Total solids, Aerobic plate count
63	Drinks Ready to serve (R.T.S)	as per SLS 729
64	Fertilizer Epsom Salt	as per SLS 1105
65	Fertilizer - Rock Phosphate	Total Phosphorus, Citric acid soluble Phosphate, Moisture, Particle size
66	Fertilizer Sulphate	Ammoniacal Nitrogen, Free acid as H <sub>2</sub> SO <sub>4</sub> , Moisture, As Content
67	Fertilizer zinc sulphate	Zinc content, Matter insoluble
68	Fish - Fresh	Arsenic, Cadmium, Lead, Mercury, Formalin, Histamine, Histamine
69	Frozen Meat	Phosphorus content, Fluid content, Volatile Nitrogen content
70	Fruit Concentrates	as per SLS 214
71	Fruits in syrup	Specific gravity, Arsenic, Copper, Lead, Zinc, Acidity, Drained weight, Commercial sterility, pH
72	Gelatin	as per SLS 845
73	Ghee	Refractive Index, Saponification value, Free fatty acids, Moisture, Sugar, Sulphur dioxide
74	Gherkins	Sorbic Acid and its salt, Metabisulphite, Benzoic acid
75	Gherkins in Brine / Vinegar	Sorbic Acid and its salt, Metabisulphite, Benzoic acid
76	Glucose	as per SLS 617
77	Green Gram whole	Admixture, Damaged grain, Foreign matter, Immature grains, Moisture
78	Ground Coffee	as per SLS 258
79	Ground nut (For oil milling)	as per SLS 793
80	Ice cream	as per SLS 223

No	Item	Parameter
81	Ice Lollies, Ice Palams, Popsicle	as per SLS 967
82	Instant Tea	Dry matter content, Total ash
83	Jaggery	as per SLS 521
84	Jams & Marmalade	as per SLS 265
85	Jelly Crystals/ Diet Jelly	as per SLS 885
86	Kurakkan Flour	Total ash, Starch, Acid Insoluble Ash, Moisture, Particle size, Microscopic examination, Total coliforms
87	Lozenges	as per SLS 585
88	Luncheon meat	as per SLS 1218
89	Maize Starch	as per SLS 967
90	Maldive Fish	as per SLS 811
91	Malted Foods	as per SLS 897
92	Mango Nectar (Bottled)	as per SLS 813
93	Margarine	as per SLS 277
94	Milk (Infant formula)	Protein, Total ash, Titratable acidity, Iron, Fat content, Moisture, Milk Fat, Aerobic plate count, <i>Salmonella</i> , Total coliforms, <i>Staphylococcus aureus</i> , Yeast & mould count, <i>E.Coli</i>
95	Milk (Fresh & Processed)	as per SLS 824
96	Milk, Milk Powder	as per SLS 731
97	Milled Rice	as per SLS 633
98	Noodles	as per SLS 420
99	Oils	Coconut Oil: as per SLS 32 Soy Oil: as per SLS 293 Sunflower Oil: as per SLS 946 Gingely Oil: as per SLS 231 Palm Oil: as per SLS 720 Palm Kernel Oil: as per SLS 862 Palm Stearin Oil: as per SLS 960 Palm Olein Oil: as per SLS 961 Corn Oil: as per SLS 905
100	Papadam	as per SLS 280
101	Pasta (Noodles), Pasta Products	as per SLS 420 & SLS 858

No	Item	Parameter
102	Pickles	as per SLS 399
103	Pineapple Juice	as per SLS 957
104	Potassium Metabisulphate (Food Grade)	as per SLS 860
105	Poultry feed	Phosphorous, Crude protein, Acid insoluble ash, Calcium, Crude fibre Crude fat, Moisture
106	Prawns	Malachite Green, Sodium metabisulphite
107	Reconstituted Product	Total Sugar Content, Sulphur dioxide, Benzoic acid
108	Red lentil/Yellow split peas	as per SLS 896
109	Rice Flour	as per SLS 913
110	Sago	Impurities, Cooking Test, Moisture
111	Salt	Edible common salt: as per SLS 79 Iodized: as per SLS 79 Table Free Flowing: as per SLS 80
112	Sausages	as per SLS 167
113	Seeds and poonac	Iodine value, Peroxide Value, pH, Refractive Index, Saponification value, Specific Gravity, Titre, Unsaponifiable matter, Fatty Acid composition, Cholesterol content, Acid Value, Color, Impurities, Melting Point, Moisture, Mineral Acidity, Oil content
114	Semolina	Total ash, Acid Insoluble Ash, Gluten, Moisture, Particle size
115	Sodium Metabisulphite	Sulphur dioxide
116	Soft Drink powder mixture	as per SLS 668
117	Soya Beans	as per SLS 669
118	Soya Flour	as per SLS 1011
119	Squash, Concentrates	as per SLS 214
120	Sugar confectionary Gelatine Base	as per SLS 585
121	Synthetic Cordial	as per SLS 221
122	Tea Black	as per SLS 28
123	Tea instant	Total ash, Dry matter content

No	Item	Parameter
124	Textured Soya	as per SLS 898
125	Tobacco	as per SLS 309
126	Tomato Juice	Arsenic, Cadmium, Copper, Lead, Tin, Sodium chloride
127	Treacle	as per SLS 772
128	Turmeric Powder	Total ash, Sudan - HPLC, Sudan, Acid insoluble ash, Arsenic, Copper, Lead
129	Vanilla Beans	Moisture, Aerobic plate count, <i>Salmonella</i> , Yeast and mould count, <i>Bacillus cereus</i> , <i>Clostridium perfringenes</i> , <i>E.coli</i>
130	Vinegar Artificial	as per SLS 625
131	Vinegar Coconut Toddy	as per SLS 168
132	Vinegar solution for gherkin	Calcium, Acidity in Brine
133	Wheat Flour	as per SLS 144
134	White Sugar	as per SLS 669 except polarization value
135	Yoghurt	as per SLS 824
136	General	Sugar Profile, Aerobic Plate Count, Chloride content, Vitamin E, Vitamin A, B Carotene, Vitamin C, Ammonical Nitrogen, Nitrogen, Permanganate Oxidation, Peroxide value, pH of water extract, Phosphorus, Protein, Protein Dispersibility Index, Reducing sugars, Refractive Index, Relative density, Rosin Acid, Saponification value, Total ash, Soap content, Solubility, Sorbic acid, Specific gravity, Squalene, Available Phosphorus, Stems, Sugar content, Benzoic Acid, Biuret content, Brix Value of syrup, Saturated fat, Bulk Density, Fructose, Fat free milk solids, Caffeine, Matter insoluble in water, Broken grains, Calcium, Reichert Miessel Value, Iron, Cation Exchange Capacity, Unsaturated fat, Sodium, Fatty acid composition,

No	Item	Parameter
	General ( <i>cont.</i> )	Cholesterol, Sea water contamination, Amino Acids, Dietary Fibers, Formalin, Total Polyphenols, Cholesterol content, Citric acid soluble P, Phospholipids in fat, Acid Insoluble matter, Acid value, Colour, Colour (in sugar), Conductivity, Conductivity of Ash, Cooking test, Cooking time, pH, Acidity, Crude fiber, Fat content, Added colors, Fat free cocoa solids, Free Fatty Acid, Fill of container, Formic acid, Free caustic alkali, Gel Strength, Glucose content, Gluten, Grading (Cashew), Histamine, Insect Infestation, Iodine content, Air filled porosity, Iodine Value, Iron dust, Lactic content, Insoluble matter (Ethanol, HCl), Alkaline oxidation, Melting point, Slip melting point, Moisture, Milk Fat, Milk solid, Mineral Acidity, Nematodes, Nicotine, Nitrate/Nitrite in meat, Non reducing sugar, Oil content, Organic matter, Particle size flour, Particle size,
	<b>Water</b>	
137	Wastewater	Parameters as specified in CEA and BOI Regulations for Waste water
138	Water general	as per SLS 894 as per SLS 614 as per SLS 1038 Trihalomethanes
	<b>Inorganic</b>	
139	Aluminum sulfate	As per SLS 701
140	Ammonium bicarbonate	Purity
141	Ammonium chloride	Full Analysis as per customer request
142	Ammonium persulphate	Purity
143	Battery acid (sulphuric acid)	As per IS266
144	Battery mix	ZnCl <sub>2</sub> , NH <sub>4</sub> Cl, moisture



No	Item	Parameter
145	Battery waste	Lead, Antimony, Tin
146	Battery water	Lead, Antimony, Tin
147	Bitumen	Acid value, Nitrate, Residue on ignition, Specific gravity, Total acid strength
148	Bleaching powder (chlorinated lime)	Available chlorine, Bulk density, Full analysis, Iron, Loss of available chlorine, Moisture, Particle size
149	Bleaching solution/sodium hypochlorite	Available chlorine, Free alkali, Full analysis
150	Borax	Purity
151	Boric acid	Purity
152	Calcium chloride	Purity
153	Caustic soda	Carbonate as CO <sub>2</sub> , Caustic alkalinity, Caustic strength, Chlorate, Chloride, Insoluble matter, copper & iron, Sulphate
154	Chlorinated lime	Full analysis see bleaching powder
155	Copper oxychloride	Copper, Full analysis as per customer request
156	Formalin	Formaldehyde content
157	Formic acid	Purity
158	Hydrochloric acid	Strength
159	Hydrogen peroxide	Strength
160	Iodine	Strength
161	Lime (CaCO <sub>3</sub> & Hydrated)	Available lime, Basicity, Calcium oxide, Density, Full analysis, pH
162	Magnesium hydroxide	Calcium
163	Nitric acid	Total acid strength
164	Phosphoric acid	Strength
165	Potassium chlorate	Chloride, Full analysis, Strength, Insoluble matter, Moisture
166	Potassium hydroxide	Full analysis
167	Potassium nitrate	Purity,
168	Potassium/Sodium Iodate	As per customer request
169	Silver nitrate	Purity
170	Soda ash	Alkalinity, Iron, Insoluble matter, Purity

No	Item	Parameter
171	Sodium hexameta phosphate	Purity
172	Sodium hydrogen sulphite	Purity
173	Sodium hydroxide	Purity
174	Sodium metabisulphite	Purity, Insoluble matter, Full analysis, Iron
175	Sodium silicate	pH, Purity, Sodium chloride, Sodium oxide/silicon dioxide, Specific gravity, Total solids
176	Sodium sulphate	Purity
	<b>Agro products</b>	
177	Coir pith	As per SLS 1219
178	Fertilizer - Muriate of potash	As per SLS 644
179	Fertilizer - NPK	Total Phosphorus, Potassium, Total Nitrogen
180	Fertilizer Di-ammonium phosphate	As per SLS 1131
181	Fertilizer Dolomite	As per SLS 823
182	Fertilizer Triple super phosphate	As per SLS 812
183	Fertilizer Urea	As per SLS 618
184	Fertilizer, Sulphate of potash	As per SLS 1107
185	Fertilizer-Kieserite	As per SLS 1104
186	Fertilizer-NPK-Mg mixture	Magnesium, Total Phosphorus, Potassium, Total Nitrogen, Moisture
187	Soil	pH, Phosphorus, Potassium, Nitrogen, Sodium, Bulk Density, Calcium, Iron, Cation Exchange capacity, Chloride, Electrical conductivity
	<b>Pesticide Formulations</b>	
188	2,4 D	extractable acids, Active Ingredient content

No	Item	Parameter
189	Bifenthrin	Active ingredient, Wettability, Bifenthrin content after heat stability, Wet sieving after heat stability, Suspensibility after heat stability, Wettability after heat stability, Water content, Wet sieving - 60 & 70, Suspensibility, pH, Wet sieving after heat stability, Acidity, Persistent foam
190	BPMC	Active ingredient content
191	Captan	Active ingredient content
192	Carbaryl	Active ingredient content
193	Carbofuran 3G	Active ingredient content
194	Sumithrin+Permethrin containing compounds	Active ingredient content
195	Chlorpyrifos	Active ingredient content
196	Cyfluthrin 10% WDP	Active ingredient content
197	Cyhalothrin, lambda	Active ingredient content
198	Deltamethrin	Active ingredient content, Active ingredient content after heat , stability, acidity, acidity after heat stability
199	Dimethoate EC	Active ingredient content
200	Diuron EC	Active ingredient content
201	Etofenprox WDP	Active ingredient content
202	Fenitrothion, 40% wdp	Active ingredient content, sieve test after heat treatment, S - methyl fenitrothion , Active ingredient content after heat stability, suspensibility after heat treatment, acidity, acidity after heat stability
203	Fenthion	Active ingredient content
204	Glyphosate	Glyphosate content
205	Imidacloprid	Active ingredient content
206	Lambda Cyhalothrin	Active ingredient content, pH after heat treatment, pH of aq. Dispersion, sieve test after heat treatment, suspensibility, Active ingredient content after heat stability

No	Item	Parameter
207	Mancozeb	Active ingredient Content , Suspensability, Wettability
208	MCPA	Active ingredient content
209	Mosquitamide	Active ingredient content
210	Mosquito coil	as per SLS 453
211	Mosquito mat	Size, Active ingredient content , Paraquat content
212	Oxyflorfen	Active ingredient content
213	Permethrin	Active ingredient Content including cis trans ratio
214	Propanil EC	Active ingredient content , Active ingredient content after heat stability, acidity
215	Racumin	Active ingredient content
	<b>Pesticide Residue analysis</b>	
216	General	Organochlorine pesticides, Organophosphate pesticides, Carbamates
	<b>Pharmaceutical</b>	
217	Albendazole	Assay
218	Aluminium Hydroxide	Sodium
219	Amoxycillin Trihydrate	Silicate - qualitative
220	Cephalexin	Assay, pH, Moisture
221	Codeine Phosphate	Assay
222	Folic Acid	Assay
223	Alumina, Magnesia with Methyl polysiloxone tablets/liquids	Methylpolysiloxone(solid or liquid)
224	Mefaninic Acid	Related substances
225	Magnesium hydroxide tablets	Milk of Magnesia
226	Ointment	Benzoic & salicylic
227	Paracetamol with codeine phosphate tablets	Paracetamol/Potassium sorbate/codeine
228	Paracetamol	Paracetamol/Potassium sorbate
229	Pyrodoxine	Active ingredient

	hydrochloride+Folic acids+cyanocobalam in tablets	
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No	Item	Parameter
230	Prednisolone	Related substances
231	Simethicone	Assay
232	Tolbutamide	Related substances
233	Triclosan	Active ingredient
234	Tolbutamide	Related substances
235	Triclosan	Active ingredient
236	General	Iron Content, Sulphated ash, Purity
	<b>Microbiological tests</b>	
237	Cosmetics	Aerobic plate count, <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , Identification of Genes level, Yeast & Mould Count
238	Disinfectant	Disinfectant efficiency (one dilution, two dilutions)
239	Efficiency of water filter	1st organism + process, Addition of 2nd organism, Addition of 4th organism, Addition of 3rd organism
240	Fish	Aerobic plate count, <i>E.coli</i> , Faecal coliform, <i>Salmonella</i> , Total coliforms, <i>Staphylococcus aureus</i> ,
241	Ice	as per SLS 971
242	Ice for fish processing	Aerobic plate count, Fecal coliform, Intestinal Enterococci, Spores of sulphite reducing clostridia, Total Coliforms, <i>E.coli</i>
243	Meat	Aerobic plate count, <i>Salmonella</i> , <i>Staphylococcus aureus</i> , <i>E.coli</i>
244	Syringe	Aerobic Plate Count
245	Tea	Aerobic plate count, <i>Salmonella</i> , Total coliforms, Yeast & mould count, <i>E.coli</i>
246	Water	Water for Fisheries, Faecal coliforms, Intestinal Enterococci, Aerobic plate count, Spores of sulphite reducing clostridia, Total Coliforms, Sterilize Bottle, <i>E.coli</i>

No	Item	Parameter
247	General	<p>Nematodes, Aerobic plate count, Enterobacteriaceae, Faecal coliforms, Faecal <i>Enterococci</i>, Fungal Identification (max5), Fungal Identification (max5) additional per type, Howard mould count, Microscopic examination, Microscopic examination with print, Culture &amp; Microscopic identification, <i>Pseudomonas aeruginosa</i>, <i>Salmonella</i>, <i>Staphylococcus aureus</i>, Sterilized bottle, Spores of sulphite reducing clostridia, Swab preparation (usually for APC &amp;/or coliform, <i>E.Coli</i>), Total Coliforms, Total Viable count, Yeast &amp; mould count, Disinfectant efficiency (one dilution, two dilutions), Algal Identification, lipolytic organism, Anti microbial efficiency, Algal Identification additional per type, <i>Bacillus cereus</i>, <i>Clostridium perfringenes</i>, Commercial sterility, <i>E.coli</i>, <i>Thielopsis paradoxa</i></p>