Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Food Laboratory 1						
Water Content (%)	Full cream milk powder	Loss on Drying Based on AOAC 927.05	Oven Electronic Balance	Not Applicable	1000	1000
	Partly skimmed milk powder					
	Skimmed milk powder					
	Filled milk powder					
	Peanut butter	Loss on Drying Based on AOAC 925.40				
	Bread	Loss on Drying Based on AOAC 925.10				
	Processed cheese	Loss on Drying Based on AOAC 926.08				
	Butter	Loss on Drying Based on AOAC 920.116				
	Ghee					
	Vanaspati					
	Meat	Loss on DryingBased on AOAC 950.46				
	Fish	Loss on Drying Based on AOAC 952.08				
Fat Content (%)	Full cream milk powder	Gerber Method Based on AOAC 2000.18	Gerber Centrifuge	Not Applicable	2500	2500
	Partly skimmed milk powder					
	Skimmed milk powder	Roese-Gottlieb Method Based on AOAC 932.06	-			
	Filled milk powder	Gerber Method	Gerber Centrifuge			
	Peanut butter	Gravimetric Method Based on AOAC 948.22	Soxtherm			
	Filled milk	Gerber Method Based on AOAC 2000.18	Gerber Centrifuge			
	Yoghurt	Roese-Gottlieb Method Based on AOAC 932.06	-			
	Ice cream	Roese-Gottlieb Method Based on AOAC 952.06	-			
	Non-dairy creamer	Roese-Gottlieb Method Based on AOAC 932.06	-			
	Whole milk	Gerber Method Based on AOAC 2000.18	Gerber Centrifuge			
	Partly skimmed milk					
	Skimmed milk					
	Processed cheese	Gravimetric Method Based on AOAC 933.05	-			
	Butter	Gravimetric Method Based on AOAC 938.06	-			
	Ghee	Gravimetric Method	-			
	Vanaspati	Gravimetric Method	-			
	Evaporated milk	Roese-Gottlieb Method Based on AOAC 945.48 G	-			
	Condensed milk	Roese-Gottlieb Method Based on AOAC 920.115 F	-			
	Cream	Roese-Gottlieb Method Based on AOAC 920.111	-			
	Fish	In house method based on Gerhardt Application Note	Soxtherm			
	Meat					

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Protein (%)	Full cream milk powder	Micro Kjeldahl Method/Protein Analyser	- Kjeldahl Electromantle Digestor - Protein Analyser	Not Applicable	1000 3000	1000 3000
	Partly skimmed milk powder					
	Skimmed milk powder					
	Peanut butter					
	Filled milk powder					
	Filled milk					
	Whole milk					
	Partly skimmed milk					
	Skimmed milk					
	Fish Sauce					
	Fish					
	Meat					
Total Volatile Basic Nitrogen	Fish	Based on AOAC 920.03	-	Not Applicable	2000	2000
	Meat					
Acidity, Acetic acid (%)	Chilli Sauce	Potentiometric Method	-	Not Applicable	500	500
Ash (%)	Full Cream Milk Powder	Based on AOAC 930.30	Furnace	Not Applicable	1000	1000
	Partly Skimmed Milk Powder					
	Skimmed Milk Powder					
	Whole Milk	Based on AOAC 945.46				
	Partly Skimmed Milk					
	Skimmed Milk					
	Fish	Based on AOAC 938.08				
	Meat	Based on AOAC 920.153				
	Tea	Based on AOAC 920.100 A				
Soluble and Insoluble Ash (%)	Tea	Based on AOAC 920.100 B	Furnace	Gravimetric for insoluble ash	1000 1000	2000
Lactose (%)	Full Cream Milk Powder	Lane & Eynon Method	-	Not Applicable	1500	1500
	Partly Skimmed Milk Powder					
	Skimmed Milk Powder					
	Whole Milk					
	Partly Skimmed Milk					
	Skimmed Milk					
Milk solids	Condensed milk	Based on AOAC 920.115 D and Lane & Eynon Method	Oven Electronic Balance	Total Solids (%) Sugar Content (%)	1000 1500	2500
Nitrogen (%)	Soya Sauce	Micro Kjeldahl Method	Kjeldahl Electromantle Digestor	Not Applicable	1000	1000
	Meat					
pH	Bread	Based on MS 37:1985 (6.3)	pH- Meter	Not Applicable	500	500
	Canned Tomato	Based on AOAC 981.12				
	Tomato Juice					
	Tomato Puree					
	Yoghurt					
Salt (sodium Chloride) (%)	Bread	Mohr's Titration	-	Not Applicable	1000	1000
	Soya Sauce					
	Fish Sauce					
	Tomato Puree	Volhard Method				
	Fish Products					
	Meat Products					
	Tomato Paste/Puree					
	Butter	Mohr's Titration				
	Peanut butter	Based on AOAC 950.52				
	Full cream milk powder					

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Titratable acidity, Lactic acid (%)	Partly skimmed milk powder	Titrimetric Method	-	Not Applicable	500	500
	Skimmed milk powder					
	Whole milk					
	Partly skimmed milk					
	Skimmed milk					
Total Insoluble solids (%)	Tomato puree/paste	Gravimetric Method	Oven	Not Applicable	1000	1000
Total non-fat milk solids (%)	Whole milk	Based on AOAC 990.21	Oven Electronic Balance Gerber Centrifuge	Total Solids (%) Fat Content (%)	1000 2500	3500
	Partly skimmed milk			Total Solids (%) Fat Content (%)	1000 2500	3500
	Butter (Unsalted)	Based on AOAC 920.116 and AOAC 938.06		Total Solids (%) Fat Content (%)	1000 2500	3500
	Butter (Salted)	Based on AOAC 920.116, AOAC 938.06 and Mohr's Titration		Total Solids (%) Fat Content (%) Salt Content (%)	1000 2500 1000	4500
	Cream	Based on AOAC 920.107 and AOAC 920.111		Total Solids (%) Fat Content (%)	1000 2500	3500
	Evaporated milk	Based on AOAC 945.48 D and AOAC 945.48 G		Total Solids (%) Fat Content (%)	1000 2500	3500
	Filled milk	Based on AOAC 990.21		Total Solids (%) Fat Content (%)	1000 2500	3500
	Skimmed milk			Total Solids (%) Fat Content (%)	1000 2500	3500
	Yoghurt (unsweetened)	Gravimetric method, Roese-Gottlieb Method Based on AOAC 932.06		Total Solids (%) Fat Content (%)	1000 2500	3500
	Yoghurt (sweetened)	Gravimetric method, Roese-Gottlieb Method Based on AOAC 932.06 and Lane & Eynon		Total Solids (%) Fat Content (%) Sugar Content (%)	1000 2500 1500	5000
Total solids (%)	Whole Milk	Loss on Drying Based on AOAC 990.20	Oven	Not Applicable	1000	1000
	Partly Skimmed Milk					
	Skimmed Milk					
	Evaporated milk	Based on AOAC 945.48 D				
	Yoghurt	Gravimetric method				
	Chilli sauce	Loss on Drying Based on AOAC 935.56				
	Tomato Puree/ Paste	Gravimetric Method				
	Tomato Sauce	Based on AOAC 925.30				
	Fish	Based on AOAC 952.08				
Total soluble solids (%)	Tomato puree/Paste	Gravimetric	Oven	Not Applicable	1000	1000
Total Sugar (%)	Tomato Sauce	Lane & Eynon Method	-	Not Applicable	1500	1500
Saponifiable matter (%)	Vanaspati	-	-	Not Applicable	1500	1500
Unsaponifiable matter (%)	Vanaspati	Based on AOAC 972.28	-	Not Applicable	1500	1500
Water Soluble Extract (%)	Tea	Based on AOAC 920.104	Oven	Not Applicable	1000	1000

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Foreign matter	Food	Visual test		Not Applicable	3000	3000
Peroxide value (mEq/kg of fat)	Oils & fats	Based on AOAC 965.33	-	No Extraction Required	1000	1000
				Fat Extraction Peroxide Value	1000 2500	3500
Plastic identification	Plastic packaging	In- House Method using Spectroscopy	Fourier Transform Infrared Spectrophotometer	Not Applicable	3000	3000
Hypochloride (%)	Bleach and "Eau de Javel"	Iodometric Titration	-	Not Applicable	1000	1000
Sodium Hypochloride (%)	Bleach and "Eau de Javel"	Iodometric Titration	-	Not Applicable	1000	1000
Food Laboratory 2						
Total sugars (%) Note that for HPLC method total sugars is sum of Fructose Glucose, Galactose, Sucrose, Maltose and Lactose in sample	Beverages & Alcoholic drinks	In- House Method using Chromatography	High Performance Liquid Chromatography - Refractive Index Detector	Not Applicable	6000	6000
	Fruit concentrate					
	Milk based beverages					
	Syrup					
	Raw sugar					
	Honey					
Aflatoxins **B1** **B2** **G1** **G2 (µg/kg)**	Nut & Nut products Rice, Maize, Dried Fruits	In- House Method using Chromatography	High Performance Liquid Chromatography-Fluorescence Detector	Not Applicable	6000	6000
Sweeteners (Aspartame, acesulfame K, saccharin) (mg/L)	Beverages and Alcoholic Drinks	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
Preservatives (Benzoates and Sorbates) (ppm)	Beverages and Alcoholic Drinks	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
	Sauces					
	Milk based beverages					
Artificial food colours (ppb) *** Request list of colours screened**	Beverages and sweets	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
	Petals (qualitative)					
	Sauces					
	Solid food (qualitative)					
Sudan dyes (ppb) *** Request list of colours screened**	Spices	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
	Sauces					
	Pickles					
Moisture (%)	Salt	In- House Method Based on MS 47: 1986	-	Not Applicable	1000	1000

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Non-fat milk solids (%)	Flavoured milk	In- House Method Based on AOAC 990.21	-	Total Sugars (%) Fat Content (%)	6000 2500	8500
Sodium chloride (%)	Salt	In- House Method Based on MS 47: 1986	-	Not Applicable	1000	1000
Histamine (mg/kg)	Raw fish	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
pH	Drinking Water (Bottled and Tap)	In- House Method	pH meter	Not Applicable	500	500
	Beverages					
	Fresh noodles					
Citric acid (%)	Beverages	In- House Method based on Pearson's Composition and analysis of foods	-	Not Applicable	500	5000
Caffeine (mg/kg or mg/L)	Beverages	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
	Coffee and decaffeinated coffee					
Physico-chemical	Oils & fats	Based on AOAC 921.08	-	Not Applicable	1000	1000
-Refractive index						
-Saponification value		AOAC 920.16			1500	1500
-Unsaponifiable matter		AOAC 933.08			1500	1500
-Specific density		AOAC 985.19			1000	1000
Anions	Drinking Water (Bottled and Tap) and Water used for Dialysis	In- House Method using Chromatography	High-Pressure Ion Chromatography	Not Applicable	6000	6000
- Chloride, Nitrate, Sulphate (mg/L)						
- Phospate (mg/L)						
- Bromide (mg/L)						
- Nitrite (µmg/L)						
- Fluoride (mg/L)						
Bromate (µg/L)	Drinking Water (Bottled)	In- House Method using Chromatography	High-Pressure Ion Chromatography	Not Applicable	6000	6000
Cations	Drinking Water (Bottled and Tap) and Water used for Dialysis	In- House Method using Chromatography	High-Pressure Ion Chromatography	Not Applicable	6000	6000
Magnesium (mg/L)						
- Calcium (mg/L)						
- Sodium (mg/L)						
- Potassium (mg/L)						
Conductivity (µS/cm)	Drinking Water (Bottled and Tap) and Water used for Dialysis	In- House Method	pH/Conductivity meter	Not Applicable	1000	1000
Total Dissolved Solids (mg/L)		In- House Method	pH/Conductivity meter	Not Applicable	1000	1000
Turbidity (NTU)		In- House Method	Turbidity meter	Not Applicable	1000	1000
Colour (Pt-Co)		In- House Method using Colometric	Colourimeter	Not Applicable	1500	1500
Quinine Sulphate (mg/L)	Tonic water	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000
Monosodium Gluatamate (mg/kg)	Spices	In- House Method using Chromatography	High Performance Liquid Chromatography-Evaporative Light Scattering Detector	Not Applicable	6000	6000
Patulin (µg/L)	Apple juice and puree	In- House Method using Chromatography	High Performance Liquid Chromatography-Photodiode Array Detector	Not Applicable	6000	6000

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Nitrite and Nitrate (mg/kg)	Meat products	In- House Method using Chromatography	High-Pressure Ion Chromatography	Not Applicable	6000	6000
Total Phosphate (P_2O_5) (%)	Meat products	In- House Method using Chromatography	High-Pressure Ion Chromatography	Not Applicable	6000	6000
Folic Acid	Flour	In- House Method using Chromatography	High Performance Liquid Chromatography-Fluorescence Detector	Not Applicable	6000	6000
Bisphenol A	Packing	In- House Method using Chromatography	High Performance Liquid Chromatography-Fluorescence Detector	Not Applicable	6000	6000
Food Laboratory 3						
Hydroxymethylfurfural (mg/kg)	Honey	In- House Method using Chromatography	High Performance Liquid Chromatography-Ultraviolet Detector	Not Applicable	6000	6000
Fatty acids (%) **▪ Saturated** **▪ Monounsaturated** **▪ Polyunsaturated** **▪ Trans**	Oils and Fats	In- House Method using Chromatography	Gas Liquid Chromatography-Flame Ionization Detector	Not Applicable	6000	6000
Fat Content (%)	Snack, biscuits & cookies	In- House Method using Soxhlet extraction principle	Soxtherm	Not Applicable	2500	2500
Trace Metal Laboratory						
Aluminium (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Arsenic (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Cadmium (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Total Chromium (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Copper (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Mercury (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Nickel (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Lead (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Zinc (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Potassium (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Sodium (mg/L)	- Drinking water (Bottled and Tap) - Water used for Dialysis	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Antimony (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Arsenic (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Cadmium (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Lead (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Mercury (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Selenium (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Tin (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Copper (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Zinc (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Sodium (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Potassium (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Magnesium (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Calcium (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Iron (mg/kg)	Food	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Lead (µg/100ml)	Whole blood	In- House Method	- Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Mercury (µg/L)	Whole blood	In- House Method	- Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Copper (µmol/L)	Blood serum	In- House Method	- Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Nickel (µg/L)	Urine	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Zinc (µmol/L)	Blood serum	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Mercury (mg/kg)	Cosmetic products	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Lead (mg/kg)	Cosmetic products	In- House Method	- Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Lithium (mmol/L)	Blood serum	In- House Method	- Atomic Absorption Spectroscopy	Not Applicable	3000 1500	3000 1500
Toxicology						
Paraquat/ Diquat (Qualitative)	Food	Method from Clarke`s Analysis of Drugs and Poisons	Not applicable	Not Applicable	1000	1000
Cyanide (Qualitative)	Food	Method from Clarke`s Analysis of Drugs and Poisons	Not applicable	Not Applicable	1000	1000
Alcoholic Strength (%v/v)	Alcoholic Products	Based on EC Commission Regulatuion 2870 (2000)	Density Meter	Not Applicable	1000	1000
Fixed Acidity (g tartaric acid/ hL absolute alcohol)	Wine Agricultural Spirit; Alcoholic Strength > 60 % v/v Brandy, Whisky, Rum, Gin	Based on AOAC Method 945.08	-	Not Applicable	1000	1000
Volatile Acidity (g acetic acid/ hL absolute alcohol)	Wine Agricultural Spirit; Alcoholic Strength > 60 % v/v Brandy, Whisky, Rum, Gin	Based on AOAC Method 945.08	-	Not Applicable	1000	1000
Total Acidity (g Tartaric acid and Acetic Acid/ hL in absolute alcohol)	Wine Agricultural Spirit; Alcoholic Strength > 60 % v/v Brandy, Whisky, Rum, Gin	Based on AOAC Method 945.08	-	Fixed Acidity Volatile Acidity	1000 1000	2000
Total Sulphur Dioxide (SO_2) (mg/L)	Wine (White)	In-house Method	-	Not Applicable	1000	1000
Volatile Cogeners and Higher Alcohols (hL absolute alcohol)	Alcoholic Products	Based on EC Commission Regulatuion 2870 (2000)	Gas Chromatograph Flame Ionisation Detector with Headspace Injection System	Not Applicable	6000	6000
Furfuraldehyde (hL absolute alcohol)	Brandy, Whisky, Rum, Gin and Agricultural Spirit; Alcoholic Strength > 60 % v/v	In-house Method	High Performance Liquid Chromatograph with photodiode array detector	Not Applicable	6000	6000
Persistent Organic Pollutants (POPs) (µg/kg)	Milk (Powder, Liquid) Raw Fish and Canned Fish in brine	Method from UNEP Analytical Protocol 2017	Gas Chromatograph Mass Spectrometer and Accelerated Solvent Extractor	Not Applicable	12000	12000
3-Monochloro Propane-diol (MCPD) (µg/kg)	Soy Sauce Oyster Sauce Fish Sauce	Based on AOAC Method 2000.01	Gas Chromatograph Mass Spectrometer	Not Applicable	12000	12000
Pesticide Residues	Drinking Water (Tap, Bottled) Food	Based on EPA 525.2 Based on EN 15662 Method (Quecher's)	Gas Chromatograph Mass Spectrometer	Not Applicable	12000	12000
Toxicological screening Qualitative	Stomach washout Urine Blood (Whole and Clotted) Remains of suspected poison	Laboratory developed method (Micro- extraction (Quechers) based on Shimadzu Instruction Manual 825-37872)	Gas Chromatography Mass Spectrometer, High Performance Liquid Chromatograph, Liquid Chromatograph Mass Spectrometer	Not Applicable	1000	1000

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Paraquat/ Diquat (Qualitative)	Stomach Washout Urine Remains of suspected poison	Method from Clarke`s Analysis of Drugs and Poisons	-	Not Applicable	1000	1000
Hypochlorite (Qualitative)	Stomach washout Urine Suspected remains of poison	Method from Clarke`s Analysis of Drugs and Poisons	-	Not Applicable	1000	1000
Metaldehyde (Qualitative)	Stomach washout Urine Suspected remains of poison	Laboratory developed method Micro Extraction	-	Not Applicable	1000	1000
Cyanide (Qualitative)	Stomach washout Urine Suspected remains of poison	Method from Clarke`s Analysis of Drugs and Poisons	-	Not Applicable	1000	1000
Ethanol level (mg of ethanol per 100 ml of sample)	Stomach washout Urine Blood (Whole and Clotted) Remains of suspected poison	Laboratory Developed Method Based on Shimadzu Application Note No 12 and 13	Gas Chromatograph with Flame Ionisation Detector and Headspace Injection System (GCFIDHS)	Not Applicable	6000	6000
Serum Cholinesterase level (mU/ml)	Serum	Ellman`s Method (Clarke`s Analysis of Drugs and Poisons)	UV Spectrophotometer	Not Applicable	250	250
Blood Cholinesterase level %	Whole Blood	Colorimetric Chemical Analytical Method (CCAM)	Standard Lovibond Comparator	Not Applicable	250	250
Paracetamol level %	Plasma and Serum	Laboratory developed method (Micro- extraction (Quechers) based on Shimadzu Instruction Manual 825-37872)	High Performance Liquid Chromatograph	Not Applicable	6000	6000
Carbon Monoxide level %	Whole blood	Method from Clarke`s Analysis of Drugs and Poisons	UV Spectrophotometer	Not Applicable	3000	3000
Pharmaceutical Testing						
Size	Tablets/ Capsules/ Suppository	As per United States Pharmacopeia / British Pharmacopeia	Vernier Caliper	Not Applicable	Not Applicable	500
Weight			Electronic Weighing Balance			
Diameter			Vernier Caliper			
Thickness			Vernier Caliper			
Width			Vernier Caliper			
Uniformity of weight			Electronic Weighing Balance			
Hardness	Tablets	As per United States Pharmacopeia / British Pharmacopeia	Hardness Tester	Not Applicable	Not Applicable	1000
Friability	Tablets, other than film or enteric coated tablets	As per United States Pharmacopeia / British Pharmacopeia	Friability Tester	Not Applicable	Not Applicable	1500
Disintegration	Tablets	As per United States Pharmacopeia / British Pharmacopeia	Disintegration Tester	Not Applicable	Not Applicable	2000
Dissolution	Tablets	As per United States Pharmacopeia / British Pharmacopeia	Dissolution Tester	Not Applicable	Not Applicable	6000
pH	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	pH/Conductivity/Turbidity Meter	Not Applicable	Not Applicable	500
Conductivity	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	pH/Conductivity/Turbidity Meter	Not Applicable	Not Applicable	1000
Refractive index	Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Refractometer/Polarimeter	Not Applicable	Not Applicable	1000
Density	Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Density Meter	Not Applicable	Not Applicable	1000

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Moisture	Tablets	As per United States Pharmacopeia / British Pharmacopeia	Oven	Not Applicable	Not Applicable	1000
Melting point	Tablets	As per United States Pharmacopeia / British Pharmacopeia	Melting Point Analyser	Not Applicable	Not Applicable	750
Titration/Advanced Titration	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Automatic Titrator	Not Applicable	Not Applicable	2000
Impurity	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	High Performance Liquid Chromatograph	Not Applicable	Not Applicable	6000
Turbidity	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	pH/Conductivity/Turbidity Meter	Not Applicable	Not Applicable	1000
Loss on Drying	Tablets	As per United States Pharmacopeia / British Pharmacopeia	Oven	Not Applicable	Not Applicable	1000
Solubility	Tablets/Capsules	As per United States Pharmacopeia / British Pharmacopeia	-	Not Applicable	Not Applicable	1000
Identification by UV	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	UV Spectrophotometer	Not Applicable	Not Applicable	3000
Assay by UV	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	UV Spectrophotometer	Not Applicable	Not Applicable	3000
Identification by HPLC	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	High Performance Liquid Chromatograph	Not Applicable	Not Applicable	6000
Assay by HPLC	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	High Performance Liquid Chromatograph	Not Applicable	Not Applicable	6000
Uniformity of content by UV	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	UV Spectrophotometer	Not Applicable	Not Applicable	3000
Uniformity of content by HPLC	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	High Performance Liquid Chromatograph	Not Applicable	Not Applicable	6000
Metal contaminant by AAS/ICP-MS/ICP-OES	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	- Inductively Coupled Plasma Mass Spectroscopy - Inductively Coupled Plasma Optical Emission spectroscopy - Atomic Absorption Spectroscopy	Not Applicable	Not Applicable	1500 per metal
Test using GCMSMS or LCMSMS	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	- Gas Chromatography Tandem Mass Spectrometer - Liquid Chromatography Tandem Mass Spectrometer	Not Applicable	Not Applicable	12000
Alcohol content by GC-Headspace-FID	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Gas Chromatograph with Flame Ionisation Detector and Headspace Injection System (GCFIDHS)	Not Applicable	Not Applicable	6000
Assay not using high-tech equipment	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Appropriate equipment as per specific test, where required	Not Applicable	Not Applicable	3000

Parameter	Matrix/Sample Type	Method/Technique	Equipment	Additional Tests Required	Applicable Laboratory Fee (Rs)	Total Laboratory Fees (Rs)
Test using GC-FID/ GS-Headspace-FID	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Gas Chromatograph with Flame Ionisation Detector and Headspace Injection System (GCFIDHS)	Not Applicable	Not Applicable	6000
Test using Polarimeter	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Polarimeter	Not Applicable	Not Applicable	3000
Test using viscosity meter	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Viscosity Meter	Not Applicable	Not Applicable	3000
Test using Karl Fischer Titrator	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Karl Fischer Titrator	Not Applicable	Not Applicable	3000
Test using IR-Spectroscopy	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Fourier Transform Infrared Spectrophotometer	Not Applicable	Not Applicable	3000
Test using Fluorimeter	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	Fluorimeter	Not Applicable	Not Applicable	3000
Test using HPIC	Tablets/ Capsules/ Suppository / Solution/ Syrup/ Eye drops/ Ear drops	As per United States Pharmacopeia / British Pharmacopeia	High-Pressure Ion Chromatography	Not Applicable	Not Applicable	6000