



EXPORT INSPECTION COUNCIL

(Ministry of Commerce & Industry, Govt. of India)

New Delhi

Annexure-1

SCOPE OF APPROVAL

Name of the laboratory: M/s TUV SUD South Asia Pvt. Ltd Vishakhapatnam

Date of issue: 30.01.2017

Validity of approval : Up to and including 29.01.2019

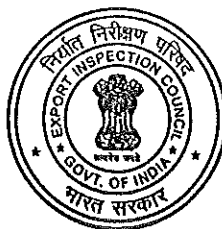
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Biological-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Aerobic Plate count	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream), Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses), Ice
Enumeration of <i>E.coli</i> & fecal Coliforms	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream), Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses), Ice
Enumeration of Coliforms	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream), Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses), Ice
<i>Shigella spp</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream)
<i>S.aureus</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream) , Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses).
<i>Salmonella spp</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream) , Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses).
<i>Listeria monocytogenes</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream) , Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses).
Enumeration of Yeast and Mold	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream) , Meat, Poultry & Egg Products (Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses).

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Assistant Director



Dr. S. K. Saxena
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<i>Clostridium perfringens</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream)
<i>Vibrio cholerae</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream).
<i>Vibrio parahaemolyticus</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream).
<i>Vibrio vulnificus</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish).
<i>Bacillus cereus</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream).
<i>Enterococci</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Ice
<i>Enterobacteriaceae</i>	Fish and Fishery products (Crustaceans, Cephalopods & Fish), Milk and Dairy Products (Milk, Skimmed Milk Powder, Cheese, Yoghurt, Butter, Ice-Cream) , Meat, Poultry & Egg Products(Minced Meat, Carcasses of Cattle, Sheep, Goats, Meat Preparations, Egg, Egg Powder, Minced Chicken, Poultry Carcasses).
Sulphite reducing bacteria	Fish and Fishery products (Crustaceans, Cephalopods & Fish).
<i>Pseudomonas aeruginosa</i>	Ice
Proteolytic & Lipolytic bacterial count	Ice

Chemical-2

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Chloramphenicol	Fish and Fish Products (Crustaceans, cephalopods)
Nitrofurans Metabolites	
3-Amino-5-morpholinomethyl-2-oxazolidinone (AOZ)	Fish and Fish Products (Crustaceans, cephalopods)
Amino-oxazolidinone (AMOZ)	Fish and Fish Products (Crustaceans, cephalopods)
Aminohydantoin (AHD)	Fish and Fish Products (Crustaceans, cephalopods)
Semicarbazide (SEM)	Fish and Fish Products (Crustaceans, cephalopods)
Tetracyclines	Fish and Fish Products (Crustaceans, cephalopods)
Tetracycline (expressed as sum of tetracycline and it's 4-epimer)	Fish and Fish Products (Crustaceans, cephalopods)
Oxytetracycline (expressed as sum of oxytetracycline and it's 4-epimer)	Fish and Fish Products (Crustaceans, cephalopods)
Chlorotetracycline (expressed as sum of chlorotetracycline and it's 4-epimer)	Fish and Fish Products (Crustaceans, cephalopods)
Quinolones	
Oxolinic Acid	Fish and Fish Products (Crustaceans, cephalopods)
Nalidixic Acid	Fish and Fish Products (Crustaceans, cephalopods)
Flumequine	Fish and Fish Products (Crustaceans, cephalopods)
Danofloxacin	Fish and Fish Products (Crustaceans, cephalopods)

Sabeerali A M
Assistant Director



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Director (I & QC)

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Enrofloxacin (Sum of Enrofloxacin & Ciprofloxacin)	Fish and Fish Products (Crustaceans, cephalopods)
Sarafloxacin	Fish and Fish Products (Crustaceans, cephalopods)
Difloxacin	Fish and Fish Products (Crustaceans, cephalopods)
Norfloxacin	Fish and Fish Products (Crustaceans, cephalopods)
Sulphonamides	Fish and Fish Products (Crustaceans, cephalopods)
Sulfachloropyridazine	Fish and Fish Products (Crustaceans, cephalopods)
Sulfamethoxypridazine	Fish and Fish Products (Crustaceans, cephalopods)
Sulfadimethoxine	Fish and Fish Products (Crustaceans, cephalopods)
Sulfamethizole	Fish and Fish Products (Crustaceans, cephalopods)
Sulfamethoxazole	Fish and Fish Products (Crustaceans, cephalopods)
Sulfadiazine	Fish and Fish Products (Crustaceans, cephalopods)
Sulfamethazine(sulfadimidine)	Fish and Fish Products (Crustaceans, cephalopods)
Sulfamerazine	Fish and Fish Products (Crustaceans, cephalopods)
Sulfapyridine	Fish and Fish Products (Crustaceans, cephalopods)
Sulfathiazole	Fish and Fish Products (Crustaceans, cephalopods)
Anthelmenthics	Fish and Fish Products (Crustaceans, cephalopods)
Ivermectin	Fish and Fish Products (Crustaceans, cephalopods)
Emamectin .	Fish and Fish Products (Crustaceans, cephalopods)
Nitrofurans Parent	Fish and Fish Products (Crustaceans, cephalopods)
Nitrofurazone	Fish and Fish Products (Crustaceans, cephalopods)
Nitrofurantoin	Fish and Fish Products (Crustaceans, cephalopods)
Furaltadone	Fish and Fish Products (Crustaceans, cephalopods)
Furazolidone	Fish and Fish Products (Crustaceans, cephalopods)


Chemical-3

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Organochlorine Pesticides	
γ -HCH (Lindane)	Fish and Fish Products (Crustaceans)
β - HCH	Fish and Fish Products (Crustaceans)
α -HCH	Fish and Fish Products (Crustaceans)
Aldrin	Fish and Fish Products (Crustaceans)
Dieldrin	Fish and Fish Products (Crustaceans)
Endrin	Fish and Fish Products (Crustaceans)
o,p DDE	Fish and Fish Products (Crustaceans)
p,p DDE	Fish and Fish Products (Crustaceans)
o,p DDD	Fish and Fish Products (Crustaceans)
p,p DDD	Fish and Fish Products (Crustaceans)
o,p DDT	Fish and Fish Products (Crustaceans)
p,p DDT	Fish and Fish Products (Crustaceans)
Heptachlor	Fish and Fish Products (Crustaceans)
Heptachlor Epoxide	Fish and Fish Products (Crustaceans)
Chlordane (Cis and Trans isomers)	Fish and Fish Products (Crustaceans)
HCB	Fish and Fish Products (Crustaceans)
Pendimethalin	Fish and Fish Products (Crustaceans)
Trifluralin	Fish and Fish Products (Crustaceans)
Ethoxyquin	Fish and Fish Products (Crustaceans)


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Chemical-4

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Dyes	
Leuco Malachite Green	Fish and Fish Products (Crustaceans, cephalopods)
Malachite green	Fish and Fish Products (Crustaceans, cephalopods)
Crystal Violet	Fish and Fish Products (Crustaceans, cephalopods)
Leuco Crystal Violet	Fish and Fish Products (Crustaceans, cephalopods)
Non dioxins like PCB's 2,4,4 – Trichlorobiphenyl (PCB 28) 2,2,5,5- Tetrachlorobiphenyl (PCB 52) 2,2,4,5,5 – Pentachlorobiphenyl (PCB101) 2,2,3,4,4,5 -Hexachlorobiphenyl (PCB 138) 2,2,4,4,5,5 – Hexachlorobiphenyl (PCB 153) 2,2,3,4,4,5,5 – Heptachlorobiphenyl (PCB 180)	Fish and Fish Products (Crustaceans, cephalopods)
Heavy metals	
Lead	Fish and Fish Products (Crustaceans , fish muscle)
Cadmium	Fish and Fish Products (Crustaceans , fish muscle , cephalopods)
Mercury	Fish and Fish Products (Crustaceans, cephalopods)
Arsenic	Fish and Fish Products (Crustaceans)

Chemical-5

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Salt	Fish and Fish Products (Crustaceans, cephalopods)
Total phosphate as P ₂ O ₅	Fish and Fish Products (Crustaceans, cephalopods)
Moisture	Fish and Fish Products (Crustaceans, cephalopods)
Nitrogen	Fish and Fish Products (Crustaceans, cephalopods)
Crude Fat	Fish and Fish Products (Crustaceans, cephalopods)
Total Volatile Base Nitrogen(TVB-N)	Fish and Fish Products (Crustaceans, cephalopods)
Sulphite	Fish and Fish Products (Crustaceans, cephalopods)
Added phosphate	Fish and Fish Products (Crustaceans, cephalopods)


Water-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Chemical	
Pesticides Residues	
o,p-DDD	Water as per 98/83/EC
p,p DDD	Water as per 98/83/EC
o, p DDT	Water as per 98/83/EC


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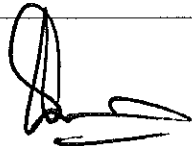
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p,p DDT	Water as per 98/83/EC
o, p DDE	Water as per 98/83/EC
p, p DDE	Water as per 98/83/EC
γ -HCH (Lindane)	Water as per 98/83/EC
δ HCH	Water as per 98/83/EC
β HCH	Water as per 98/83/EC
α HCH	Water as per 98/83/EC
Endosulfan- α	Water as per 98/83/EC
Endosulfan- β	Water as per 98/83/EC
Endosulfan-Sulfate	Water as per 98/83/EC
Monocrotophos	Water as per 98/83/EC
Ethion	Water as per 98/83/EC
Chlorpyrifos	Water as per 98/83/EC
Phorate	Water as per 98/83/EC
Phorate Sulfone	Water as per 98/83/EC
Phorate Sulfoxide	Water as per 98/83/EC
2,4-D	Water as per 98/83/EC
Butachlor	Water as per 98/83/EC
Isoproturon	Water as per 98/83/EC
Alachor	Water as per 98/83/EC
Atrazine	Water as per 98/83/EC
Methyl parathion	Water as per 98/83/EC
Methyl paraxon	Water as per 98/83/EC
Malathion	Water as per 98/83/EC
Malaxon	Water as per 98/83/EC
Aldrin	Water as per 98/83/EC
Dieldrin	Water as per 98/83/EC
Heptachlor	Water as per 98/83/EC
Heptachlor epoxide	Water as per 98/83/EC
Poly Aromatic Hydrocarbons	
Benzo(a)pyrene	Water as per 98/83/EC
Benzo (b) fluoranthene	Water as per 98/83/EC
Benzo (g,h,i) perylene	Water as per 98/83/EC
Benzo (k) fluoranthene	Water as per 98/83/EC
Indeno(1,2,3-cd)pyrene	Water as per 98/83/EC
Metals	
Arsenic	Water as per 98/83/EC
Chromium	Water as per 98/83/EC
Copper	Water as per 98/83/EC
Iron	Water as per 98/83/EC
Lead	Water as per 98/83/EC
Mercury	Water as per 98/83/EC
Manganese	Water as per 98/83/EC
Cadmium	Water as per 98/83/EC
Selenium	Water as per 98/83/EC
Antimony	Water as per 98/83/EC
Aluminium	Water as per 98/83/EC
Nickel	Water as per 98/83/EC


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Other Chemical Parameters	
Sulphate	Water as per 98/83/EC
Ammonium	Water as per 98/83/EC
Boron	Water as per 98/83/EC
Chlorides	Water as per 98/83/EC
Fluoride	Water as per 98/83/EC
Nitrates	Water as per 98/83/EC
Nitrites	Water as per 98/83/EC
Sodium	Water as per 98/83/EC
Total Organic Carbon	Water as per 98/83/EC
Bromate	Water as per 98/83/EC
Cyanide	Water as per 98/83/EC
Microbiological Parameters	
Colony Count at 37°C	Water as per 98/83/EC
Colony Count at 22°C	Water as per 98/83/EC
Coliforms	Water as per 98/83/EC
<i>E.coli</i>	Water as per 98/83/EC
<i>Faecal Streptococci / Enterococci</i>	Water as per 98/83/EC
<i>Pseudomonas aeruginosa</i>	Water as per 98/83/EC
Physical Parameters	
Conductivity	Water as per 98/83/EC
Oxidisability	Water as per 98/83/EC
Turbidity	Water as per 98/83/EC
Colour	Water as per 98/83/EC
Hydrogen ion Concentration	Water as per 98/83/EC
Taste	Water as per 98/83/EC
Odour	Water as per 98/83/EC


Water-2

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Physical Parameters	
Colour	water as per IS 4251:1967
Odour	water as per IS 4251:1967
Turbidity	water as per IS 4251:1967
pH	water as per IS 4251:1967
Chemical Parameters	
Sulphate	water as per IS 4251:1967
Chlorides	water as per IS 4251:1967
Fluoride	water as per IS 4251:1967
Nitrates as N	water as per IS 4251:1967
Taste	water as per IS 4251:1967
Total Hardness as CaCO ₃	water as per IS 4251:1967
Cyanide	water as per IS 4251:1967
Total solids	water as per IS 4251:1967
Magnesium	water as per IS 4251:1967
Phenolic substances	water as per IS 4251:1967


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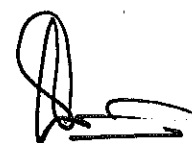
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Arsenic	water as per IS 4251:1967
Chromium as Cr ⁶⁺	water as per IS 4251:1967
Copper	water as per IS 4251:1967
Iron	water as per IS 4251:1967
Lead	water as per IS 4251:1967
Mercury	water as per IS 4251:1967
Manganese	water as per IS 4251:1967
Cadmium	water as per IS 4251:1967
Selenium	water as per IS 4251:1967
Zinc	water as per IS 4251:1967
Microbiological Parameters	
Total Plate Count	water as per IS 4251:1967
Coliforms	water as per IS 4251:1967
Proteolytic & Lipolytic bacterial count	water as per IS 4251:1967


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