



EXPORT INSPECTION COUNCIL

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

New Delhi

Annexure-1

SCOPE OF APPROVAL

Name of the laboratory : M/s Microchem Silliker Pvt. Ltd., Navi Mumbai
Validity of approval : Up to and including 04.05.2020

Date of issue: 18.05.2018
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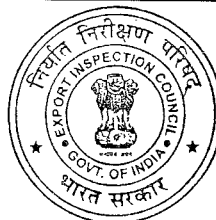
Biological-1 (For exports to all countries including European Union)


Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
<i>E coli</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Enterobacteriaceae</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Faecal streptococci</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Listeria monocytogenes</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Salmonella</i> species	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Shigella</i> species	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Coagulase positive <i>Staphylococcus aureus</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Total Coliform count	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Vibrio parahaemolyticus</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
<i>Vibrio Cholerae</i>	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Total Plate count	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Yeast and Mould Count	Fish & Fishery Products (Crustacean, Cephalopod, Fish)

Chemical-2 (For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Chloramphenicol	Crustacean-shrimps
Trimethoprim	Crustacean-shrimps
Oxolinic Acid	Crustacean-shrimps
Nitrofurans metabolite AOZ AMAZ AHD SEM	Crustacean-shrimps
Nitrofurans Parent Compounds Furatadone Furazolidone Nitrofurantoin Nitrofurazone	Crustacean-shrimps
Sulphonamides Sulphaguanidine Sulphanilamide Sulphadiazine Sulphathiazole Sulphapyridine Sulphamerazine Sulphamethizole Sulphamethazine Supharmethoxyridazine Sulphamethoxazole Sulphadimethoxine Sulphadoxin	Crustacean-shrimps
Tetracyclines Tetracyclin Oxytetracyclin Chlortetracyclin 4-Epitetracyclin 4-Epioxytetracyclin 4-Epichlortetracyclin	Crustacean-shrimps


Sabeerali A M
Assistant Director




Dr. S. K. Saxena
Director (I & QC)



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Chemical-3 (For exports to all countries including European Union)


Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Herbicide	
Pendimethalin	Crustacean-shrimps
Organochlorines	
Hexachlorocyclohexane(HCH), alpha-isomer	Crustacean-shrimps
Hexachlorocyclohexane(HCH), beta-isomer	Crustacean-shrimps
Lindane (Gamma-isomer of hexachlorocyclohexane (HCH))	Crustacean-shrimps
Hexachlorocyclohexane(HCH), delta-isomer	Crustacean-shrimps
DDT(sum of o,p'-DDT, p,p'-DDT, o,p'-DDE, p,p'-DDE, o,p'-DDD and p,p'-DDD expressed as DDT)	Crustacean-shrimps
Endosulfan (sum of alpha- and beta- isomers and endosulfan sulphate expressed as endosulfan)	Crustacean-shrimps
Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin)	Crustacean-shrimps
Endrin	Crustacean-shrimps
Chlordane (sum of cis-and trans-chlordane)	Crustacean-shrimps
Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	Crustacean-shrimps
Alachlor	Crustacean-shrimps
Butachlor	Crustacean-shrimps
Chlorothalonil	Crustacean-shrimps
Carbamates	
Carbofuran	Crustacean-shrimps
Aldicarb	Crustacean-shrimps
Methomyl	Crustacean-shrimps
Propoxur	Crustacean-shrimps
Carbaryl	Crustacean-shrimps
Mancozeb	Crustacean-shrimps
Carbosulfan	Crustacean-shrimps
Thiodicarb	Crustacean-shrimps
Pyrethroids	
Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	Crustacean-shrimps
Etofenfrox	Crustacean-shrimps
Permethrin (sum of isomers)	Crustacean-shrimps
Lambda Cyhalothrin	Crustacean-shrimps
Deltamethrin	Crustacean-shrimps
Fenvalerate (any ratio of constituent isomers (RR, SS, RS& SR) including esfenvalerate)	Crustacean-shrimps
Fluvalinate isomers	Crustacean-shrimps
Fenprothrin	Crustacean-shrimps
Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers))	Crustacean-shrimps

Chemical-4 (For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Dyes	
Malachite green	Crustacean-shrimps


Sabeer Ali A M
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Leucomalachite green	Crustacean-shrimps
Crystal Violet	Crustacean-shrimps
Leuco Crystal Violet	Crustacean-shrimps
Brilliant Green	Crustacean-shrimps
Heavy Metals	
Antimony	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Arsenic	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Cadmium	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Chromium	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Copper	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Lead	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Mercury	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Nickel	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Selenium	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Aluminum	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Iron	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Manganese	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Boron	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Aflatoxins	
Aflatoxins (B1, B2, G1, G2)	Peanuts & Peanut products
Histamine	Fish & Fishery Products

Chemical-5

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Proximate Composition and Constituents	
Total Volatile Base Nitrogen	Fish & Fishery Products (Crustacean, Cephalopod, Fish)
Trimethylamine Nitrogen	Fish & Fishery Products (Crustacean, Cephalopod, Fish)

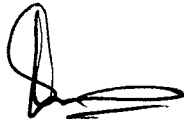
Water-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Metals	
Antimony	Water as per 98/83 EC
Arsenic	Water as per 98/83 EC
Cadmium	Water as per 98/83 EC
Chromium	Water as per 98/83 EC
Copper	Water as per 98/83 EC
Lead	Water as per 98/83 EC
Mercury	Water as per 98/83 EC
Nickel	Water as per 98/83 EC
Selenium	Water as per 98/83 EC
Aluminium	Water as per 98/83 EC
Iron	Water as per 98/83 EC
Manganese	Water as per 98/83 EC
Sodium	Water as per 98/83 EC
Boron	Water as per 98/83 EC
PAHs	
Benzo(b)fluoranthene	Water as per 98/83 EC
Benzo(k) fluoranthene	Water as per 98/83 EC


Sabeerali A M
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Benzo(ghi)perylene	Water as per 98/83 EC
Indol(1,2,3 cd)pyrene	Water as per 98/83 EC
Naphthalene	Water as per 98/83 EC
Acenaphthalene	Water as per 98/83 EC
Acenaphthene	Water as per 98/83 EC
Flourene	Water as per 98/83 EC
Phenanthrene	Water as per 98/83 EC
Anthracene	Water as per 98/83 EC
Fluoranthene	Water as per 98/83 EC
Pyrene	Water as per 98/83 EC
Benzo(a)anthracene	Water as per 98/83 EC
Chrysene	Water as per 98/83 EC
Benzo(a)Pyrene	Water as per 98/83 EC
Dibenzo(a,h)anthracene	Water as per 98/83 EC
Others	
Taste	Water as per 98/83 EC
Odour	Water as per 98/83 EC
Colour	Water as per 98/83 EC
pH	Water as per 98/83 EC
Turbidity	Water as per 98/83 EC
Conductivity	Water as per 98/83 EC
Nitrate	Water as per 98/83 EC
Nitrite	Water as per 98/83 EC
Ammonium	Water as per 98/83 EC
Sulphate	Water as per 98/83 EC
Fluoride	Water as per 98/83 EC
Chloride	Water as per 98/83 EC
Cyanide	Water as per 98/83 EC
Oxidisability	Water as per 98/83 EC
Benzene	Water as per 98/83 EC
Benzo(a)pyrene	Water as per 98/83 EC
Vinyl Chloride	Water as per 98/83 EC
1,2 - dichloroethane	Water as per 98/83 EC
Epichlorohydrin	Water as per 98/83 EC
Tetrachloroethene	Water as per 98/83 EC
Trichloroethene	Water as per 98/83 EC
Chloroform	Water as per 98/83 EC
Bromoform	Water as per 98/83 EC
Dibromochloromethane	Water as per 98/83 EC
Organochlorine pesticide	
Hexachlorobenzene (Benzenehexachloride)	Water as per 98/83 EC
pp-DDT	Water as per 98/83 EC
op-DDT	Water as per 98/83 EC
pp-DDE	Water as per 98/83 EC
Op-DDE	Water as per 98/83 EC
pp-DDD	Water as per 98/83 EC
op-DDD	Water as per 98/83 EC
alpha-HCH	Water as per 98/83 EC
beta-HCH	Water as per 98/83 EC
Delta-HCH	Water as per 98/83 EC


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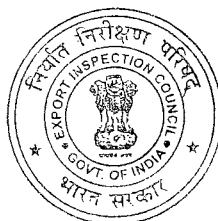
Lindane	Water as per 98/83 EC
Aldrin	Water as per 98/83 EC
Endosulfan (all isomers) α, β , sulphate	Water as per 98/83 EC
Dieldrin	Water as per 98/83 EC
Endrin	Water as per 98/83 EC
Cis Chlordane	Water as per 98/83 EC
Trans Chlordane	Water as per 98/83 EC
Heptachlor	Water as per 98/83 EC
Heptachlor epoxide	Water as per 98/83 EC
Alachlor	Water as per 98/83 EC
Butachlor	Water as per 98/83 EC
Chlorothalonil	Water as per 98/83 EC
Organo phosphorous pesticides	
Acephate	Water as per 98/83 EC
Chlorofenvinfos	Water as per 98/83 EC
Chloropyrifos	Water as per 98/83 EC
Chloropyrifos methyl	Water as per 98/83 EC
Dichlorovos	Water as per 98/83 EC
Dizinon	Water as per 98/83 EC
Dimethoate	Water as per 98/83 EC
Ethion	Water as per 98/83 EC
Monocrotophos	Water as per 98/83 EC
Malathion	Water as per 98/83 EC
Malaxon	Water as per 98/83 EC
Methamidophos	Water as per 98/83 EC
Omethoate	Water as per 98/83 EC
Parathion ethyl	Water as per 98/83 EC
Parathion methyl	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
Profenofos	Water as per 98/83 EC
Phosalone	Water as per 98/83 EC
Microbiology	
<i>Escherichia coli (E. coli)</i>	Water as per 98/83 EC
	Water as per 98/83 EC
<i>Pseudomonas aeruginosa</i>	Water as per 98/83 EC
<i>Coliform Count</i>	Water as per 98/83 EC
Colony count 22 °C	Water as per 98/83 EC
Colony count 37 °C	Water as per 98/83 EC
<i>Clostridium perfringens</i>	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)
Organoleptic Test	
Colour	Water as per IS 4251
Odour	Water as per IS 4251
Chemical	
Turbidity	Water as per IS 4251
pH Value	Water as per IS 4251
Total Hardness (as CaCO ₃)	Water as per IS 4251


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Iron	Water as per IS 4251
Chloride	Water as per IS 4251
Fluoride	Water as per IS 4251
Total Dissolved solids	Water as per IS 4251
Magnesium	Water as per IS 4251
Copper	Water as per IS 4251
Manganese	Water as per IS 4251
Sulphate	Water as per IS 4251
Nitrate	Water as per IS 4251
Zinc	Water as per IS 4251
Selenium	Water as per IS 4251
Cyanide	Water as per IS 4251
Phenolic Compounds	Water as per IS 4251
Heavy Metals	Water as per IS 4251
Mercury	Water as per IS 4251
Cadmium	Water as per IS 4251
Arsenic	Water as per IS 4251
Lead	Water as per IS 4251
Chromium	Water as per IS 4251
Polynuclear aromatic hydrocarbons (PAH)	Water as per IS 4251
Benzo(b)fluoranthene	Water as per IS 4251
Benzo(k) fluoranthene	Water as per IS 4251
Benzo(ghi)perylene	Water as per IS 4251
Indol(1,2,3 cd)pyrene	Water as per IS 4251
Naphthalene	Water as per IS 4251
Acenaphthalene	Water as per IS 4251
Acenaphthene	Water as per IS 4251
Flourene	Water as per IS 4251
Phenanthrene	Water as per IS 4251
Anthracene	Water as per IS 4251
Fluroranthene	Water as per IS 4251
Pyrene	Water as per IS 4251
Benzo(a)anthracene	Water as per IS 4251
Chrysene	Water as per IS 4251
Benzo(a)Pyrene	Water as per IS 4251
Dibenzo(a,h)anthracene	Water as per IS 4251
Organochlorine pesticide	
Hexachlorobenzene (Benzenenehexachloride)	Water as per IS 4251
pp-DDT	Water as per IS 4251
op-DDT	Water as per IS 4251
pp-DDE	Water as per IS 4251
Op-DDE	Water as per IS 4251
pp-DDD	Water as per IS 4251
op-DDD	Water as per IS 4251
alpha-HCH	Water as per IS 4251
beta-HCH	Water as per IS 4251
Delta-HCH	Water as per IS 4251


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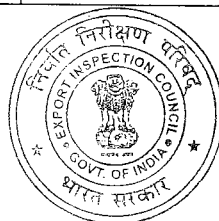
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Lindane	Water as per IS 4251
Aldrin	Water as per IS 4251
Endosulfan (all isomers) α, β , sulphate	Water as per IS 4251
Dieldrin	Water as per IS 4251
Endrin	Water as per IS 4251
Cis Chlordane	Water as per IS 4251
Trans Chlordane	Water as per IS 4251
Heptachlor	Water as per IS 4251
Heptachlor epoxide	Water as per IS 4251
Alachlor	Water as per IS 4251
Butachlor	Water as per IS 4251
Chlorothalonil	Water as per IS 4251
Organo phosphorous pesticides	
Acephate	Water as per IS 4251
Chlorofenvinfos	Water as per IS 4251
Chloropyrifos	Water as per IS 4251
Chloropyrifos methyl	Water as per IS 4251
Dichlorovos	Water as per IS 4251
Dizinon	Water as per IS 4251
Dimethoate	Water as per IS 4251
Ethion	Water as per IS 4251
Monocrotophos	Water as per IS 4251
Malathion	Water as per IS 4251
Malaxon	Water as per IS 4251
Methamidophos	Water as per IS 4251
Omethoate	Water as per IS 4251
Parathion ethyl	Water as per IS 4251
Parathion methyl	Water as per IS 4251
Phorate	Water as per IS 4251
Phorate sulfone	Water as per IS 4251
Phorate sulfoxide	Water as per IS 4251
Profenofos	Water as per IS 4251
Phosalone	Water as per IS 4251
Microbiology	
<i>E. Coli</i>	Water as per IS 4251
Coliform	Water as per IS 4251
Slime-forming organisms	Water as per IS 4251
Thermophilic bacteria	Water as per IS 4251
Total plate count	Water as per IS 4251
Proteolytic bacteria	Water as per IS 4251
Lipolytic bacteria	Water as per IS 4251
Organoleptic test	
Colour	Water as per IS 10500
Odour	Water as per IS 10500
Taste	Water as per IS 10500
Chemical	
Turbidity	Water as per IS 10500
pH Value	Water as per IS 10500
Total Hardness (as CaCO ₃)	Water as per IS 10500


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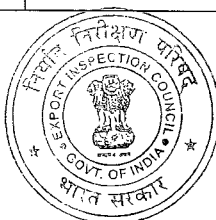
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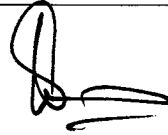
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Iron	Water as per IS 10500
Chloride	Water as per IS 10500
Residual Chloride	Water as per IS 10500
Fluoride	Water as per IS 10500
Total Dissolved solids	Water as per IS 10500
Calcium	Water as per IS 10500
Magnesium	Water as per IS 10500
Copper	Water as per IS 10500
Manganese	Water as per IS 10500
Sulphate	Water as per IS 10500
Nitrate	Water as per IS 10500
Zinc	Water as per IS 10500
Selenium	Water as per IS 10500
Cyanide	Water as per IS 10500
Anionic detergents (as MBAS)	Water as per IS 10500
Mineral Oil	Water as per IS 10500
Alkalinity	Water as per IS 10500
Aluminium	Water as per IS 10500
Boron	Water as per IS 10500
Phenolic compounds	Water as per IS 10500
Heavy Metals	
Mercury	Water as per IS 10500
Cadmium	Water as per IS 10500
Arsenic	Water as per IS 10500
Lead	Water as per IS 10500
Nickel	Water as per IS 10500
Chromium	Water as per IS 10500
Polynuclear aromatic hydrocarbons (as PAH)	
Benzo(b)fluoranthene	Water as per IS 10500
Benzo(k) fluoranthene	Water as per IS 10500
Benzo(ghi)perylene	Water as per IS 10500
Indol(1,2,3 cd)pyrene	Water as per IS 10500
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Acenaphthene	Water as per IS 10500
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Anthracene	Water as per IS 10500
Fluoranthene	Water as per IS 10500
Pyrene	Water as per IS 10500
Benzo(a)anthracene	Water as per IS 10500
Chrysene	Water as per IS 10500
Benzo(a)Pyrene	Water as per IS 10500
Dibenzo(a,h)anthracene	Water as per IS 10500
Organochlorine pesticide	
Hexachlorobenzene (Benzenehexachloride)	Water as per IS 10500
pp-DDT	Water as per IS 10500
op-DDT	Water as per IS 10500


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pp-DDE	Water as per IS 10500
Op-DDE	Water as per IS 10500
pp-DDD	Water as per IS 10500
op-DDD	Water as per IS 10500
alpha-HCH	Water as per IS 10500
beta-HCH	Water as per IS 10500
Delta-HCH	Water as per IS 10500
Lindane	Water as per IS 10500
Aldrin	Water as per IS 10500
Endosulfan (all isomers) α, β , sulphate	Water as per IS 10500
Dieldrin	Water as per IS 10500
Endrin	Water as per IS 10500
Cis Chlordane	Water as per IS 10500
Trans Chlordane	Water as per IS 10500
Heptachlor	Water as per IS 10500
Heptachlor epoxide	Water as per IS 10500
Alachlor	Water as per IS 10500
Butachlor	Water as per IS 10500
Chlorothalonil	Water as per IS 10500
Organo phosphorous pesticides	
Acephate	Water as per IS 10500
Chlorofenvinfos	Water as per IS 10500
Chloropyrifos	Water as per IS 10500
Chloropyrifos methyl	Water as per IS 10500
Dichlorovos	Water as per IS 10500
Dizinon	Water as per IS 10500
Dimethoate	Water as per IS 10500
Ethion	Water as per IS 10500
Monocrotophos	Water as per IS 10500
Malathion	Water as per IS 10500
Malaxon	Water as per IS 10500
Methamidophos	Water as per IS 10500
Omethoate	Water as per IS 10500
Parathion ethyl	Water as per IS 10500
Parathion methyl	Water as per IS 10500
Phorate	Water as per IS 10500
Phorate sulfone	Water as per IS 10500
Phorate sulfoxide	Water as per IS 10500
Profenofos	Water as per IS 10500
Phosalone	Water as per IS 10500
Microbiology	
<i>E. Coli</i>	Water as per IS 10500
Coliform	Water as per IS 10500


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