



EXPORT INSPECTION COUNCIL

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

New Delhi

Annexure-1

SCOPE OF APPROVAL

Name of the laboratory: M/s Geo-Chem Laboratories Pvt. Ltd, Mumbai

Date of issue: 08.12.2016

Validity of approval : Up to and including 08.12.2018

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Biological-1


(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Total Plate Count / Aerobic plate count	Fish & Fish Products (Crustaceans, Cephalopods, Fish) Milk & Milk Products Animal Feed, Fish Oil
Clostridium Perfringens	Fish & Fish Products (Crustacean, Cephalopods, Fish)
Coliform	Fish & Fish Products (Crustacean, Cephalopods, Fish) Milk & Milk Products
Enterobacteriaceae	Fish & Fish Products (Crustacean Cephalopods, Fish)
Escherichia Coli	Fish & Fish Products (Crustacean Cephalopods, Fish)
Listeria monocytogenes	Fish & Fish Products (Crustacean Cephalopods, Fish)
Salmonella	Fish & Fish Products (Crustacean Cephalopods, Fish) Milk & Milk Products, Animal Feed, Fish Oil
Shigella	Fish & Fish Products (Crustacean Cephalopods, Fish), Milk & Milk Products Animal Feed, Fish Oil
Staphylococcus aureus	Fish & Fish Products (Crustacean Cephalopods, Fish), Milk & Milk Products, Salt
Sulphite Reducing Bacteria	Fish & Fish Products (Crustacean Cephalopods, Fish)
Vibrio Cholerae	Fish & Fish Products (Crustacean Cephalopods, Fish)
Vibrio parahaemolyticus	Fish & Fish Products (Crustacean Cephalopods, Fish)
Qualitative PCR test for 35 S promoter and NOS Terminator.	Soya and Soya Based products, Maize and maize based products, Cotton (Seed, leaves and fibers) and cotton based products, Rice and Rice based products Rape Seed, Sesame seeds, Ground nut, Coffee beans, Wheat.
Qualitative detection of plant DNA &/or animal DNA specific for : Equine Bovine Ruminant Porcine Ovine Goat	Animal Feed


Chemical-2

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Chloramphenicol	Honey, Milk & Milk products, Fish & Fishery Products (Crustacean, Cephalopods, Fish)
Metabolite of Furaltadone - AMOZ (3-amino-5-morpholinomethyl - 2-oxazolidinone)	Honey, Milk & Milk products, Fish & Fishery Products (Crustacean, Cephalopods, Fish)
Metabolite of Furazolidone - AOZ (amino-oxazolidinone)	Honey, Milk & Milk products, Fish & Fishery Products (Crustacean, Cephalopods, Fish)
Metabolite of Nitrofurantoin - AHD (aminohydantoin).	Honey, Milk & Milk products, Fish & Fishery Products (Crustacean, Cephalopods, Fish)
Metabolite of Nitrofurazone - SEM (semicarbazide)	Honey, Milk & Milk products, Fish & Fishery Products (Crustacean, Cephalopods, Fish)
Nitrofurantoin - Furaltadone	Fish & fishery products (Crustacean, Cephalopods, Fish)
Nitrofurantoin - Furazolidone	Fish & fishery products (Crustacean, Cephalopods, Fish)


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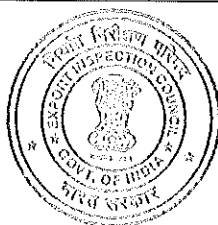
Nitrofurantoin	Fish & fishery products(Crustacean, Cephalopods, Fish)
Nitrofurantoin - Nitrofurazone	Fish & fishery products(Crustacean, Cephalopods, Fish)
Nitroimidazole - Metronidazole	Milk and milk products, Honey
Nitroimidazole - Ronidazole	Milk and milk products
Enrofloxacin (Sum of enrofloxacin and ciprofloxacin)	Milk and milk products, Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Erythromycin A	Milk and milk products
Kanamycin A	Milk and milk products
Neomycin B	Milk and milk products
Oxolinic Acid	Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Spectinomycin	Milk and milk products
Streptomycin (Dihydrostreptomycin including Streptomycin)	Milk and milk products
Sulphonamides (Sulphamethoxazole, Sulphadiazine, Sulphamerazine, Sulphathiazole, Sulphapyridine, Sulphadimethoxine, Sulphadimidine, Sulphamethizole, Sulphaguanidine)	Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Sulphonamides (Sulfadimidine, Sulfadiazine, Sulfadimethoxine, Sulfamerazine, Sulfamethiazole, Sulfathiazole, Sulphadoxine, Sulphmethazine, Sulfanilamide, Sulfamethoxypyridazine)	Milk and milk products
Tetracyclines (Tetracycline, 4 Epi Tetracycline, Chlorotetracycline, 4 Epi Chlorotetracycline, Oxy-tetracycline, 4epi Oxytetracycline)	Milk & Milk products, Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Doxycycline	Milk & Milk products
Thiamphenicol	Milk and milk products
Tilmicosin	Milk and milk products
Trimethoprim	Milk & Milk products, Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Tylosin A	Milk and milk products
Albendazole (Sum of albendazole sulphoxide, albendazole sulphone, and albendazole 2-amino sulphone, expressed as albendazole)	Milk and milk products
Fenbendazole (Sum of extractable residues which may be oxidised to oxfendazole sulphone)	Milk and milk products
Ivermectin (22, 23-Dihydro-avermectin B1a)	Milk and milk products
Morantel (Sum of residues which may be hydrolysed to N-methyl-1,3-propanediamine and expressed as morantel equivalents)	Milk and milk products

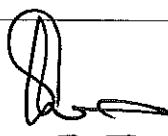
Chemical-3

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Pyrethroids [Cyfluthrin sum of isomers), Cyhalothrin (sum of isomers), Cypermethrin(sum of isomers - alphacypermethrin), Deltamethrin, Fenvalerate (sum of RR, SS, RS and SR isomers), Fluvanelate, Permethrin (sum of isomers)]	Honey
Phenyl Butazone (NSAIDs)	Milk and milk products


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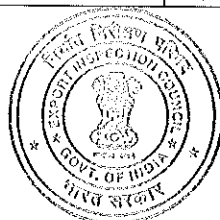
Amitraz (Sum of amitraz and all metabolites containing the 2,4-DMA moiety, expressed as amitraz)	Honey
Organochlorine pesticides [Aldrin, Dieldrin, Endrin, BHC(alpha, beta, gamma & delta), 2,4 DDT, 4,4 DDT, 2,4 DDD, 4,4 DDD, 2,4 DDE, 4,4 DDE, Alpha Endosulphan, Beta Endosulphan, Endosulphan Sulphate]	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Anti-oxidants – Ethoxyquine	Fish meal, Fish Oil, Fish & Fish Products(Crustaceans, Cephalopods, Fish)
Organochlorine pesticides [Aldrin and Dieldrin, Endosulphan (Sum of alpha & Bet isomers & endosulphan sulphate expresses as Endosulphan), Heptachlor (Sum of Heptachlor & Heptachlor Epoxide expressed as Heptachlor), DDT (sum of pp DDT, op DDT, pp DDE, op DDE, pp DDD, op DDD) HCH (alpha & beta isomers), Vinclozolin, Clorobenzelate, Hexachlorobenzene (HCB), Lindane (gamma HCH)]	Honey
Organochlorine pesticides [, Aldrin & dieldrin, Chlordane, Endosulfan, Heptachlor, Lindane, Methoxychlor]	Milk and milk products
Organophosphorus pesticides (Coumaphos, Malathion, Malaxon, Phosalone)	Honey
Organophosphorus pesticides (Diazinon, Dichlorvos, Ethion, Fention, Fenthion Sulphone, Fenthion Sulphoxide, Malathion, Methyl Parathion, Paraxon Methyl, Phosalone)	Milk and milk products
Hexachlorocyclohexane (α , β , γ - isomers), DDT and its metabolites, Hexachlorbenzol, 2,4 – D Acid, Deltamethrin, Dichlorvos, Dimethoate, Parathion methyl, Buprofezin, Fenitrothion, Phenthoate, Phosalone, Carbendazim, Benomyl, Thiophenate Methyl, Flonicamid & TNFA, TNFG, Imidacloprid, Metconazole, Prothioconazole, Tebufenozide, Isoprothiolane, Tricyclazoe, Primiphos Methyl, Triazophos, Bifenthrin, Cyfluthrin(sum of isomers)	Rice
Hexachlorocyclohexane (α , β , γ - isomers), DDT and its metabolites, Hexachlorbenzol, 2,4 – D Acid, Phenitrothion,	Ground Nut
Hexachlorocyclohexane (α , β , γ - isomers), DDT and its metabolites, Hexachlorbenzol, 2,4 – D Acid	Sesame Seed
Carbamates (Carbaryl, Carbofuran, Propoxeur)	Honey


Chemical-4

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Arsenic (As)	Fish & fishery products(Crustacean ,Cephalopods Fish), Rice, Sesame Seed, Ground Nut
Cadmium (Cd)	Fish & fishery products(Crustacean Cephalopods Fish), Honey, Rice, Sesame Seed, Ground Nut


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Lead (Pb)	Fish & fishery products(Crustacean, Cephalopods Fish), Honey, Milk & Milk Products, Milk fat, Rice, Sesame Seed, Ground Nut
Mercury (Hg)	Fish & fishery products(Crustacean, Cephalopods, Fish)
Chromium	Fish & fishery Products(Crustacean, Cephalopods, Fish)
Nickel	Fish & fishery Products(Crustacean, Cephalopods, Fish)
Selenium	Fish & fishery Products(Crustacean, Cephalopods, Fish)
Tin	Fish & fishery Products(Crustacean, Cephalopods, Fish)
Aflatoxin M1	Milk and milk products
Leucomalachite green	Fish & Fishery Products(Crustacean, Cephalopods, Fish)
Malachite green	Fish & Fishery Products(Crustacean, Cephalopods Fish), Fish meal, Fish Oil
Crystal violet	Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Leuco Crystal Violet	Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Allura red	Fish & Fishery Products(Crustaceans, Cephalopods, Fish)
Pendimethalin	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Trifluralin	Fish & fishery products(Crustaceans, Cephalopods, Fish), Food & Agricultural Products
Melamine	Fish & fishery products(Crustaceans, Cephalopods, Fish), Milk & Milk Products
Methyl Mercury	Fish & fishery Products(Crustaceans, Cephalopods, Fish)
PCBs (Polychlorinated biphenyles)	Fish & fishery Products(Crustaceans, Cephalopods, Fish)
Melamine	Food & Agriculture Products, Fish meal, Fish Oil
Histamine	Fish & fishery products(Crustaceans, Cephalopods Fish), Fish Meal
Total Aflatoxin (B1+B2+G1+G2)	Rice, Sesame Seed, Ground Nut
Aflatoxin B1	Rice, Sesame Seed, Ground Nut
Pentachlorophenol	Guar & Guar Products
T-2 toxin	Rice
Ochratoxin A	Rice
Deoxynivalenol (DON),	Rice
Zearalenone	Rice
Quicksilver (Hg)	Rice, Sesame Seed, Ground Nut

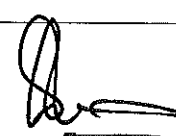
Chemical-5

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Acid insoluble ash	Milk & Milk Products
Acidity	Honey
Ash	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Fat, Milk fat, Total fat	Milk & Milk Products
Fiehe's test	Honey
Fructose/glucose	Honey


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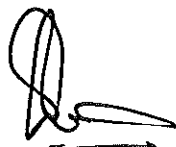
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HMF	Honey
Insolubility index	Milk & Milk Products
Milk protein	Milk & Milk Products
Ash	Honey
Moisture	Honey, Milk & Milk Products
Nitrate	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Nitrite	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Reducing sugar	Honey
Salt (as NaCl)	Milk & Milk Products
Specific gravity	Honey
Sucrose	Honey
Total ash	Milk & Milk Products, Rice
Sulphite as SO ₂	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Total phosphates/phosphorus as P ₂ O ₅	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Protein	Fish meal
Moisture	Fish meal, Fish Oil, Rice, Ground Nut, Sesame Seed
Fat	Fish meal
Salt	Fish meal
Sand	Fish meal
TVN or TVBN	Fish meal , Fish & Fish Products(Crustaceans, Cephalopods Fish)
FFA	Fish Oil
Indole	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Trimethylamine Nitrogen	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Energy	Fish meal, Fish Oil
Impurity	Fish Oil
Iodine value	Fish Oil
EPA	Fish Oil
DHA	Fish Oil
Unsaponifiable matter	Fish Oil
Acid Value	Fish Oil
Peroxide Value	Fish Oil
Ergot	Rice
Uric Acid	Rice
Pecks	Rice
Total Protein	Rice
Oil content	Ground Nut
Acid value of extracted oil	Ground Nut
Hull content	Ground Nut
Nooks	Ground Nut


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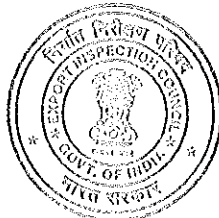
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Physical-1 (For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
pH	Fish & fishery products(Crustaceans, Cephalopods, Fish)
Colour	Honey, Rice, Sesame Seed
Live insect pest & free from mammal bones	Fish meal
Odour/Smell	Rice, Sesame Seed
1000 Kernel Weight	Rice
Shriveled /Shrunken, (2mm sieve)	Rice
Broken	Rice
Insect / Weevilled Damaged	Rice
Damaged and Discoloured	Rice
Foreign Matter / Admixture including inorganic & organic	Rice
Metallic foreign matter	
Other Food/ Edible grains	Rice
Refractions as other than foreign matter	Rice
Broken	Rice
Chalky kernels	Rice
Red-Streaked Kernels	Rice
Immature Kernels	Rice
Glutinous kernels	Rice
Yellow kernels	Rice
Paddy	Rice
Red Strip kernels	Rice
Red Kernels	Rice
Foreign & oil-breading crops & admixture	Rice
Damaged & Weevilled seeds / Kernels	Ground Nut
Slightly damaged seeds / Kernels	Ground Nut
Shrivelled & immature and dark seeds / Kernels	Ground Nut
Split or cracked seeds / Split & broken kernels	Ground Nut
Count per ounce	Ground Nut
Description	Ground Nut
Number of Kernels Per 25 gm of material	Ground Nut
Impurities	Ground Nut
Foreign matter	Ground Nut
Oil bearing crops admixture, % (including broken, corroded and germinated), %	Ground Nut
Cultivated and plant wild seeds	Ground Nut
Foreign Matter / Admixture including inorganic & organic	Ground Nut
Metallic foreign matter	
Foreign Matter / Admixture	Sesame Seed
Foreign & Oil bearing crops admixture	Sesame Seed
Castor Seed	Sesame Seed

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Annexure-I

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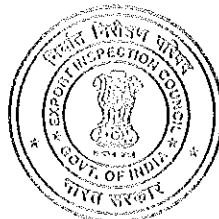
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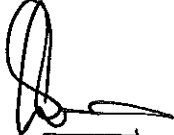
Water-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
<i>Escherichia Coli</i>	Water as per Council Directive 98/83/EC
<i>Enterococci</i>	Water as per Council Directive 98/83/EC
<i>Pseudomonas aeruginosa</i>	Water as per Council Directive 98/83/EC
Colony Count at 220c	Water as per Council Directive 98/83/EC
Colony Count at 370c	Water as per Council Directive 98/83/EC
<i>Clostridium Perfringens</i> (including Spores)	Water as per Council Directive 98/83/EC
Coliform Bacteria	Water as per Council Directive 98/83/EC
Antimony	Water as per Council Directive 98/83/EC
Arsenic	Water as per Council Directive 98/83/EC
Boron	Water as per Council Directive 98/83/EC
Bromate	Water as per Council Directive 98/83/EC
Cadmium	Water as per Council Directive 98/83/EC
Chromium	Water as per Council Directive 98/83/EC
Copper	Water as per Council Directive 98/83/EC
Cyanide	Water as per Council Directive 98/83/EC
Fluoride	Water as per Council Directive 98/83/EC
Lead	Water as per Council Directive 98/83/EC
Mercury	Water as per Council Directive 98/83/EC
Nickel	Water as per Council Directive 98/83/EC
Nitrate	Water as per Council Directive 98/83/EC
Nitrite	Water as per Council Directive 98/83/EC
Total organic carbon	Water as per Council Directive 98/83/EC
Selenium	Water as per Council Directive 98/83/EC
Acrylamide	Water as per Council Directive 98/83/EC
Benzene	Water as per Council Directive 98/83/EC
1,2 – Dichloroethane	Water as per Council Directive 98/83/EC
Epichlorohydrin	Water as per Council Directive 98/83/EC
Tetrachloroethene and Trichloroethene	Water as per Council Directive 98/83/EC
Vinyl chloride	Water as per Council Directive 98/83/EC
Trihalomethanes – total	Water as per Council Directive 98/83/EC
Benzo (a) pyrene-	Water as per Council Directive 98/83/EC
Pesticide Residues DDT (O, P & P, P DDE, & DDD) γ – HCH (Lindane) α , β and δ - HCH Endosulfan (α , β and sulphate) Aldrin and Dieldrin Methyl Parathion Monocrotophos Phorate Sulphoxide Phorate Sulphone 2, 4 – D	Water as per Council Directive 98/83/EC


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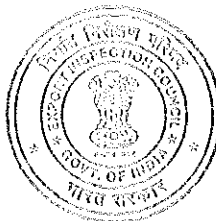
Butachlor Isoproturon Alachor Atrazine Methyl Paraxon Malaxon	
Chlorpyrifos Phorate Malathion Ethion	
Polycyclic Aromatic Hydrocarbons Benzo(b)Flouranthene Benzo(k)Flouranthene Benzo(a)Pyrene Indeno(1,2,3,c,d,)pyrene Benzo(g,h,i)perylene	Water as per Council Directive 98/83/EC
Aluminium	Water as per Council Directive 98/83/EC
Ammonium	Water as per Council Directive 98/83/EC
Chloride	Water as per Council Directive 98/83/EC
Colour	Water as per Council Directive 98/83/EC
Conductivity	Water as per Council Directive 98/83/EC
Hydrogen ion concentration (pH)	Water as per Council Directive 98/83/EC
Iron	Water as per Council Directive 98/83/EC
Manganese	Water as per Council Directive 98/83/EC
Odour	Water as per Council Directive 98/83/EC
Oxidisability	Water as per Council Directive 98/83/EC
Sulphate	Water as per Council Directive 98/83/EC
Sodium	Water as per Council Directive 98/83/EC
Taste	Water as per Council Directive 98/83/EC
Turbidity	Water as per Council Directive 98/83/EC


Water-2

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Coliform Bacteria	Water as per IS 4251
Standard Plate Count	Water as per IS 4251
Proteolytic and Lipolytic Organisms Combined Count	Water as per IS 4251
Colour	Water as per IS 4251
Turbidity	Water as per IS 4251
Odour	Water as per IS 4251
pH value	Water as per IS 4251
Total solids	Water as per IS 4251
Total hardness (as CaCO ₃)	Water as per IS 4251
Sulphate (as SO ₄)	Water as per IS 4251
Fluoride (as F)	Water as per IS 4251
Chloride (as Cl)	Water as per IS 4251


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Cyanide (as CN)	Water as per IS 4251
Manganese (as Mn)	Water as per IS 4251
Selenium (as Se)	Water as per IS 4251
Iron (as Fe)	Water as per IS 4251
Magnesium (as Mn)	Water as per IS 4251
Copper (as Cu)	Water as per IS 4251
Lead (as Pb)	Water as per IS 4251
Chromium (as Cr+6)	Water as per IS 4251
Zinc (as Zn)	Water as per IS 4251
Arsenic (as As)	Water as per IS 4251
Nitrate (as N)	Water as per IS 4251
Phenolic substances (as C6H5OH)	Water as per IS 4251
Cadmium (as Cd)	Water as per IS 4251
Mercury (as Hg)	Water as per IS 4251

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