



# EXPORT INSPECTION COUNCIL

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

New Delhi

## Annexure-1 SCOPE OF APPROVAL

Name of the laboratory : M/s CALF, NDDB, Anand  
Validity of approval : Up to and including 18.07.2020

Date of issue: 19.07.2018

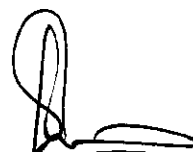
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### Biological-1 (For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Aerobic Plate count	Milk and Milk Products, Infant milk substitutes, Infant formula, Butter, Fruits and fruit products/Vegetables and vegetable products, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
<i>Staphylococci</i> /g(Coagulase positive)	Milk and Milk Products, Infant milk substitutes, Infant formula, Fruits and fruit products/Vegetables and vegetable products, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
<i>E.coli</i>	Milk and Milk Products, Infant milk substitutes, Infant formula, Fruits and fruit products/Vegetables and vegetable products, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
Enumeration of <i>E.coli</i>	Milk and Milk Products, Infant milk substitutes, Infant formula, Fruits and fruit products/Vegetables and vegetable products, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods)
<i>Salmonella</i> spp	Milk and Milk Products, Infant milk substitutes, Infant formula, Fruits and fruit products/Vegetables and vegetable products, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
<i>Clostridium perfringens</i> (Sulphite reducing anaerobes)	Milk and Milk Products, Infant milk substitutes, Infant formula, Bakery and Confectionary Products
<i>Clostridium perfringens</i>	Milk and Milk Products, Infant milk substitutes, Infant formula, Bakery and Confectionary Products, Animal Food and Feed
<i>Shigella</i> spp.	Milk and Milk Products, Infant milk substitutes, Infant formula, Fruits and fruit products/Vegetables and vegetable product, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
<i>Listeria monocytogens</i>	Milk and Milk Products, Infant milk substitutes, Infant formula, Fruits and fruit products/Vegetables and vegetable product, Bakery and Confectionary Products, Animal Food and Feed
Yeast and Mould	Milk and Milk Products, Infant milk substitutes, Infant formula, Butter, Fruits and fruit products/Vegetables and vegetable product, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
Coliform count	Milk and Milk Products, Infant milk substitutes, Infant formula, Butter, Fruits and fruit products/Vegetables and vegetable product, Bakery and Confectionary Products, Nutraceutical & functional food (fortified food, malt based food & nutritional health drinks, Complementary Foods), Animal Food and Feed
Thermophillic count	Milk and Milk Products, Infant milk substitutes, Infant formula
Psychrophillic count	Milk and Milk Products, Infant milk substitutes, Infant formula
Lactic acid bacteria count	Milk and Milk Products, Infant milk substitutes, Infant formula
Aerobic spore count	Milk and Milk Products, Infant milk substitutes, Infant formula
Bacterial spore count	Milk and Milk Products, Infant milk substitutes, Infant formula

  
Sabeerali A M  
Assistant Director



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



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### Chemical-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Total residual antibiotics, as Beta Lactam	Milk and Milk products

### Chemical-2


(For exports to all countries including European Union)

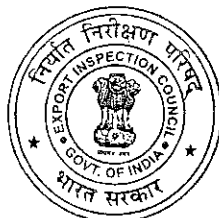
Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Chloramphenicol	Milk and Milk products
Amino-oxazolidinone (AOZ)	Milk and Milk products
Semicarbazide (SEM)	Milk and Milk products
Aminohydantoin(AHD)	Milk and Milk products
3-amino-5-morpholinomethyl-2-oxazolidinone(AMOZ)	Milk and Milk products
Metronidazole	Milk and Milk products
Ronidazole	Milk and Milk products
Dihydrostreptomycin and Sterptomycin	Milk and Milk products
Doxycycline	Milk and Milk products
Enrofloxacin (sum of enrofloxacin and ciprofloxacin)	Milk and Milk products
Erythromycin A	Milk and Milk products
Gentamicin (Sum of gentamicin C1, gentamicin C1a, Gentamicin C2 and gentamicin C2a)	Milk and Milk products
Kanamycin A	Milk and Milk products
Neomycin B	Milk and Milk products
Spectinomycin	Milk and Milk products
Sulfonamides (Sulfadimidine, Sulfadiazine, Sulfadimethoxine, Sulfadoxine, Sulfamethazine, Sulfanilamide, Sulfamirazine, Sulfamthoxypridazine, Sulfamethiazole, Sulfathiazol)	Milk and Milk products
Sum of Chlorotetracycline and 4-epi Chlorotetracyclines	Milk and Milk products
Sum of Oxytetracycline and 4-epi oxytetracycline	Milk and Milk products
Sum of Tetracycline and 4-epi Tetracycline	Milk and Milk products
Spiramycin (Sum of spiramycin and neospiramycin)	Milk and Milk products
Thiamphenicol	Milk and Milk products
Tilmicosin	Milk and Milk products
Trimethoprim	Milk and Milk products
Tylosin A	Milk and Milk products
Albendazole (sum of Albendazole sulphoxide, Albendazole sulphone, albendazole-2- amino sulphone expressed as albendazole)	Milk and Milk products
Fenbendazole (Sum of extractable residues which may be oxidized to oxfendazole)	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 equivalent)	Milk and Milk products
Phenyl Butazone	Milk and Milk products


### Chemical-3

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Aldrin and dieldrin as dieldrin	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products

  
Sabeerali A M  
Assistant Director



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



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Chlordane (sum of cis and trans chlordane)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Endosulfan alpha (sum of alpha- and beta- isomers and endosulfan-sulphate expressed as endosulfan)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Lindane (HCH- gamma)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Methoxychlor	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Diazinon	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Malathion (sum of malathion and malaoxon expressed as malathion)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl)	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Phosalone	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Atrazine	Milk and Milk products, Infant food and nutritional foods, Fruits and fruit products, Vegetables and vegetable products
Alachlor	Fruits and fruit products, Vegetables and vegetable products
Anilofos	Fruits and fruit products, Vegetables and vegetable products
Acetamiprid	Fruits and fruit products, Vegetables and vegetable products
Azoxystrobin	Fruits and fruit products, Vegetables and vegetable products
Butachlor	Fruits and fruit products, Vegetables and vegetable products
Bifenthrin	Fruits and fruit products, Vegetables and vegetable products
Bendiocarb	Fruits and fruit products, Vegetables and vegetable products
Bitertanol	Fruits and fruit products, Vegetables and vegetable products
Buprofezin	Fruits and fruit products, Vegetables and vegetable products
Chlorpyrifos-methyl	Fruits and fruit products, Vegetables and vegetable products
Chlorfenvinphos	Fruits and fruit products, Vegetables and vegetable products
Cyfluthrin-Beta	Fruits and fruit products, Vegetables and vegetable products
Chlorpyrifos	Fruits and fruit products, Vegetables and vegetable products
Cyhalothrin-Lambda	Fruits and fruit products, Vegetables and vegetable products
Cypermethrin	Fruits and fruit products, Vegetables and vegetable products
Chlorantraniliprole	Fruits and fruit products, Vegetables and vegetable products
3 hydroxy-carbofuran	Fruits and fruit products, Vegetables and vegetable products
Carbofuran	Fruits and fruit products, Vegetables and vegetable products
Carbyl	Fruits and fruit products, Vegetables and vegetable products
Carboxin	Fruits and fruit products, Vegetables and vegetable products
Chlothianidin	Fruits and fruit products, Vegetables and vegetable products
Chlorfenapyr	Fruits and fruit products, Vegetables and vegetable products
Chlorothalonil	Fruits and fruit products, Vegetables and vegetable products
Chlorpropham	Fruits and fruit products, Vegetables and vegetable products
Cymoxanil	Fruits and fruit products, Vegetables and vegetable products
Dichlorvos	Fruits and fruit products, Vegetables and vegetable products
Deltamethrin	Fruits and fruit products, Vegetables and vegetable products
Dimethoate	Fruits and fruit products, Vegetables and vegetable products
Diuron	Fruits and fruit products, Vegetables and vegetable products
Diflubenzuron	Fruits and fruit products, Vegetables and vegetable products
Diniconazol	Fruits and fruit products, Vegetables and vegetable products

  
Sabeerli A M  
Assistant Director



  
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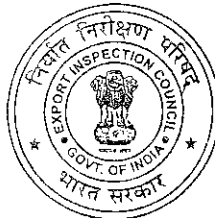
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Difenoconazole	Fruits and fruit products, Vegetables and vegetable products
Dimethomorph	Fruits and fruit products, Vegetables and vegetable products
Ethion	Fruits and fruit products, Vegetables and vegetable products
Edifenphos	Fruits and fruit products, Vegetables and vegetable products
Emamectin benzoate	Fruits and fruit products, Vegetables and vegetable products
Etofenprox	Fruits and fruit products, Vegetables and vegetable products
Endrin	Fruits and fruit products, Vegetables and vegetable products
Fenitrothion	Fruits and fruit products, Vegetables and vegetable products
Fenpropathrin	Fruits and fruit products, Vegetables and vegetable products
Fipronil	Fruits and fruit products, Vegetables and vegetable products
Fenvalerate	Fruits and fruit products, Vegetables and vegetable products
Fenazaquin	Fruits and fruit products, Vegetables and vegetable products
Fluopicolide	Fruits and fruit products, Vegetables and vegetable products
Fenoxaprop-p-ethyl	Fruits and fruit products, Vegetables and vegetable products
Fenarimol	Fruits and fruit products, Vegetables and vegetable products
Fenpyroximate	Fruits and fruit products, Vegetables and vegetable products
Fenamidone	Fruits and fruit products, Vegetables and vegetable products
Flufenacet	Fruits and fruit products, Vegetables and vegetable products
Flufenoxuron	Fruits and fruit products, Vegetables and vegetable products
Fenamiphos	Fruits and fruit products, Vegetables and vegetable products
Flusilazole	Fruits and fruit products, Vegetables and vegetable products
Hexaconazole	Fruits and fruit products, Vegetables and vegetable products
HCH-delta	Fruits and fruit products, Vegetables and vegetable products
HCH - $\alpha$	Fruits and fruit products, Vegetables and vegetable products
HCH - $\beta$	Fruits and fruit products, Vegetables and vegetable products
Hexythiazox	Fruits and fruit products, Vegetables and vegetable products
Indoxacarb	Fruits and fruit products, Vegetables and vegetable products
Imidacloprid	Fruits and fruit products, Vegetables and vegetable products
Iprovalicarb	Fruits and fruit products, Vegetables and vegetable products
Kresoxim Methyl	Fruits and fruit products, Vegetables and vegetable products
Linuron	Fruits and fruit products, Vegetables and vegetable products
Malaxon	Fruits and fruit products, Vegetables and vegetable products
Monocrotophos	Fruits and fruit products, Vegetables and vegetable products
Metalxyl	Fruits and fruit products, Vegetables and vegetable products
Metribuzin	Fruits and fruit products, Vegetables and vegetable products
Metolachlor	Fruits and fruit products, Vegetables and vegetable products
Myclobutanil	Fruits and fruit products, Vegetables and vegetable products
o,p'-DDD	Fruits and fruit products, Vegetables and vegetable products
o,p'-DDE	Fruits and fruit products, Vegetables and vegetable products
o,p'-DDT	Fruits and fruit products, Vegetables and vegetable products
p' p-DDD	Fruits and fruit products, Vegetables and vegetable products
p,p'-DDT	Fruits and fruit products, Vegetables and vegetable products
p,p'-DDE	Fruits and fruit products, Vegetables and vegetable products
Oxyfluorfen	Fruits and fruit products, Vegetables and vegetable products
Permethrin	Fruits and fruit products, Vegetables and vegetable products
Phorate	Fruits and fruit products, Vegetables and vegetable products
Phorate-Sulfone	Fruits and fruit products, Vegetables and vegetable products
Phorate-Sulfoxide	Fruits and fruit products, Vegetables and vegetable products
Phosphamidon	Fruits and fruit products, Vegetables and vegetable products
Propioconazole	Fruits and fruit products, Vegetables and vegetable products
Penconazol	Fruits and fruit products, Vegetables and vegetable products
Pretilachlor	Fruits and fruit products, Vegetables and vegetable products
Propaquizafop	Fruits and fruit products, Vegetables and vegetable products

  
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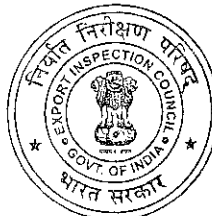
Pyrazosulfuran ethyl	Fruits and fruit products, Vegetables and vegetable products
Palcobutrazol	Fruits and fruit products, Vegetables and vegetable products
Phenthoate	Fruits and fruit products, Vegetables and vegetable products
Primiphos-methyl	Fruits and fruit products, Vegetables and vegetable products
Propoxur	Fruits and fruit products, Vegetables and vegetable products
Pyraclostrobin	Fruits and fruit products, Vegetables and vegetable products
Pyriproxyfen	Fruits and fruit products, Vegetables and vegetable products
Quinalphos	Fruits and fruit products, Vegetables and vegetable products
Quizalofop-ethyl	Fruits and fruit products, Vegetables and vegetable products
Tebuconazole	Fruits and fruit products, Vegetables and vegetable products
Thiacloprid	Fruits and fruit products, Vegetables and vegetable products
Thiamethoxam	Fruits and fruit products, Vegetables and vegetable products
Triadimefon	Fruits and fruit products, Vegetables and vegetable products
Tridemorph	Fruits and fruit products, Vegetables and vegetable products
Thiodicarb	Fruits and fruit products, Vegetables and vegetable products
Carbofuran-3-keto	Fruits and fruit products, Vegetables and vegetable products
Dinotefuron	Fruits and fruit products, Vegetables and vegetable products
Thiophenate methyl	Fruits and fruit products, Vegetables and vegetable products
Trichlofon	Fruits and fruit products, Vegetables and vegetable products
Captan	Fruits and fruit products, Vegetables and vegetable products
Iprodion	Fruits and fruit products, Vegetables and vegetable products
Tau-Fluvalinate	Fruits and fruit products, Vegetables and vegetable products
Trifluraline	Fruits and fruit products, Vegetables and vegetable products
Dicofol	Fruits and fruit products, Vegetables and vegetable products
Pirimicarb	Fruits and fruit products, Vegetables and vegetable products
Phosmet	Fruits and fruit products, Vegetables and vegetable products
Pentachlorobenzene	Fruits and fruit products, Vegetables and vegetable products
Pendimethalin	Fruits and fruit products, Vegetables and vegetable products
Fenhexamide	Fruits and fruit products, Vegetables and vegetable products
Propachlor	Fruits and fruit products, Vegetables and vegetable products
Fludioxonil	Fruits and fruit products, Vegetables and vegetable products
Resmethrin	Fruits and fruit products, Vegetables and vegetable products
Simazine	Fruits and fruit products, Vegetables and vegetable products
Cyprodinil	Fruits and fruit products, Vegetables and vegetable products
Dichlofenthion	Fruits and fruit products, Vegetables and vegetable products
Methidathion	Fruits and fruit products/ Vegetables and vegetable products


### Chemical-4

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Lead	Milk and Milk Products/Dairy Product and analogue, Fats and Oils, Fruits, vegetables and their products, Honey and honey products, Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and vitamin supplements, Infant Milk Substitutes /Infant food/ Infant formula / Milk cereal based weaning food /Milk cereal based complementary food Processed cereal based complementary food / Follow up formula complementary food.
Lead (in milk fat)	Milk and Milk Products/Dairy Product and analogue
Arsenic	Milk and Milk Products/Dairy Product and analogue, Fats and Oils, Fruits, vegetables and their products, Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and vitamin supplements, Infant Milk Substitutes /Infant food/ Infant formula / Milk cereal based weaning food /Milk cereal based complementary food Processed cereal based complementary food / Follow up formula complementary food

  
Sabeerali A M  
Assistant Director



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

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Cadmium	Milk and Milk Products/Dairy Product and analogue, Fats and Oils, Fruits, vegetables and their products, Honey and honey products, Cattle Feed/Poultry feed/Pet food/Feed ingredient, Infant Milk Substitutes /Infant food/ Infant formula / Milk cereal based weaning food /Milk cereal based complementary food Processed cereal based complementary food / Follow up formula complementary food
Copper	Milk and Milk Products/Dairy Product and analogue, Fats and Oils, Fruits, vegetables and their products, Infant Milk Substitutes /Infant food/ Infant formula / Milk cereal based weaning food /Milk cereal based complementary food Processed cereal based complementary food / Follow up formula complementary food, Mineral mixtures, DCP and Vitamin supplements, Cattle Feed/Poultry feed/Pet food/Feed ingredient
Mercury	Milk and Milk Products/Dairy Product and analogue, Fats and Oils, Fruits, vegetables and their products, Cattle Feed/Poultry feed/Pet food/Feed ingredient, Infant Milk Substitutes /Infant food/ Infant formula / Milk cereal based weaning food /Milk cereal based complementary food Processed cereal based complementary food / Follow up formula complementary food
Tin	Milk and Milk Products/Dairy Product and analogue, Fats and Oils, Fruits, vegetables and their products, Cattle Feed/Poultry feed/Pet food/Feed ingredient, Infant Milk Substitutes /Infant food/ Infant formula / Milk cereal based weaning food /Milk cereal based complementary food Processed cereal based complementary food / Follow up formula complementary food
2, 3, 7, 8-TCDD	Milk & Milk product, Infant foods, Nutritional Food, Animal Feed, Fats & Oils and Agro by-products
2, 3, 7, 8-TCDF	
1, 2, 3, 7, 8-PeCDD	
1, 2, 3, 7, 8-PeCDF	
2, 3, 4, 7, 8-PeCDF	
1, 2, 3, 4, 7, 8-HxCDD	
1, 2, 3, 6, 7, 8-HxCDD	
1, 2, 3, 7, 8, 9-HxCDD	
1, 2, 3, 4, 7, 8-HxCDF	
1, 2, 3, 6, 7, 8-HxCDF	
1, 2, 3, 7, 8, 9-HxCDF	
2, 3, 4, 6, 7, 8-HxCDF	
1, 2, 3, 4, 6, 7, 8-HpCDD	
1, 2, 3, 4, 6, 7, 8-HpCDF	
1, 2, 3, 4, 7, 8, 9-HpCDF	
OCDD	
OCDF	
Aflatoxin M1	Milk & Milk products
Aflatoxin B1	Animal Food & Feed (Cattle feed/poultry feed/Pet food/feed ingredients)
Calcium	Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and Vitamin supplements
Iron	Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and Vitamin supplements,
Magnesium	Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and Vitamin supplements
Manganese	Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and Vitamin supplements
Sodium	Cattle Feed/Poultry feed/Pet food/Feed ingredient
Zinc	Cattle Feed/Poultry feed/Pet food/Feed ingredient, Mineral mixtures, DCP and Vitamin supplements

  
Saberali A M  
Assistant Director



  
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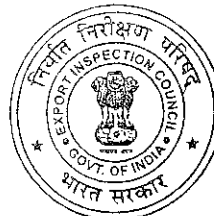
Selenium	Cattle Feed/Poultry feed/Pet food/Feed ingredient,
Cobalt	Mineral mixtures, DCP and Vitamin supplements


### Chemical-5

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Moisture	Cheese, Milk powder/ Dried Ice Cream Mix/Dried Frozen Dessert/Cream Powder/ Skimmed Milk Powder (Standard Grade)/ Skimmed Milk Powder (Extra grade)/ Partly Skimmed Milk Powder/ Whey Powder/Acid whey Powder, Paneer, Raw milk/ Packaged Pasteurized Milk/ sterilized milk/ Flavored milk, Shrikhand/ Chakka, Pasteurized butter, condensed Milk/ Partly Skimmed and skimmed Condensed Milk/ UHT condensed and UHT condensed Skimmed Milk/ Evaporated Milk, Dahi/ Yoghurt , Ice cream/ Kulfi/ Frozen dessert/Frozen confection/ Milk ice or Milk lolly, Cream/Malai, Khoya, Non-animal rennet casein/ Acid Casein/ Caseinate
Milk fat	
Fat	
Salt (added Sodium Chloride)	
Total Solids	
Insolubility Index	
Titrateable Acidity	
Total Ash	
Protein	
Scorched Particle	
Lactate	
Detection of starch	
Detection of Urea	
Detection of Neutralizer	
Detection of Maltodextrin	
Detection of Glucose	
Detection of Anionic detergent	
Detection of Cellulose	
Detection of Sucrose	
Detection of Sulphate	
Detection of Nitrates	
Detection of Formalin	
Detection of Hydrogen peroxide	
Detection of Boric acid	
Detection of Vegetable oil	
Clot on boiling	
Methylene blue reduction test	
Milk solids not fat (SNF), percent by mass	
Phosphatase test	
Sterility	
Titrateable acidity (variation on 7 days incubation)	
Creaming Index	
Turbidity test	
Sugar (Sucrose)	
Acidity (as lactic acid)	
Size of lactose crystals (above 15 $\mu$ )	
Weight/ Volume	
Curd	
Common salt	
Free fatty acid as oleic acid	
Total milk solids	
Solid not fat	
Milk Protein	
Detection of gelatin	
Casein in protein	
Ash including P <sub>2</sub> O <sub>5</sub>	
Detection of nitrates	

  
Sabeerali A M  
Assistant Director



  
Dr. S. K. Saxena  
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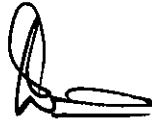
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Phenolphthalein test	Ghee/Butter oil/Anhydrous Milk fat	
Phytosteryl acetate test		
a) Shape of crystal		
b) Melting point		
Presence of animal fats/vegetable fat		
Baudouin test		
Milk fat		
Peroxide value, milli-equivalent of oxygen per kg of sample		
Butyro-refractometer reading at 40°C		
Reichert Meissl value		
Polenske value		
Free fatty acid as Oleic acid		
Moisture		
Detection of mineral oil		
Moisture and volatile matter		
Total Ash		Saffron
Acid insoluble ash		
Solubility in cold water		
Bitterness, expressed as direct reading of the absorbance of picrocrocine at 257 nm		
Safranal, expressed as direct reading of the absorbance at 330nm		
Colouring strength expressed as direct reading of the absorbance of crocine at 440 nm	Fats and Oil	
Total nitrogen		
Crude fiber		
Detection of Mineral Oil		
Rancidity		
Refractive Index at 40°C		
Butyro-refractometer reading at 40°C		
Saponification value		
Iodine value		
Unsaponifiable matter		
Bellier test		
Moisture		
Free fatty acid		
Acid value		
Baudouin test		
Peroxide value	Cattle Feed/Poultry feed/Pet food/Feed ingredient	
Moisture		
Crude protein		
Crude Fiber		
Crude fat		
Total ash		
Acid insoluble ash		
Urea		
Available phosphorous		
Vitamin A (as retinol)		
Vitamin D3 (as Cholecalciferol)		
Vitamin E(as Alpha -tocopherol)		
Salt as NaCl		
Total Phosphorous		

  
Sabeerali A M  
Assistant Director



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





# EXPORT INSPECTION COUNCIL

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New Delhi

## Annexure-1 SCOPE OF APPROVAL

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Moisture	Mineral mixtures, DCP and Vitamin supplements
Silica/Acid Insoluble ash	
Total ash	
Phosphorous	
Sulphur	
Fluorine	Mineral mixtures, DCP
Vitamin Premixes Vitamin A (as retinol)	Vitamin Premixes
Vitamin D3 (as Cholecalciferol)	
Vitamin E(as Alpha -tocopherol)	

### Physical -1


(For exports to all countries including European Union)

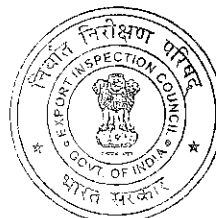
Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Appearance and Colour	Cheese, Milk Powder/ Dried Ice Cream Mix / Dried Frozen Dessert / Cream Powder, Skimmed Milk Powder (Standard Grade)/ Skimmed Milk Powder (Extra Grade) / Partly Skimmed Milk Powder/ Whey Powder/Acid Whey Powder, Paneer, Raw Milk/Packaged Pasteurized Milk/Sterilized milk/ Flavoured milk, Shrikhand/ Chakka, Pasteurized Butter, Ghee /Butter oil / Anhydrous Milk Fat, Condensed milk / Partly Skimmed and skimmed condensed milk / UHT condensed and UHT condensed skimmed milk / Evaporated milk, Dahi / Yoghurt, Ice-cream /Kulfi /Frozen dessert/Frozen confection / Milk ice or Milk Lolly, Non-animal rennet casein / Acid casein / Caseinate
pH	
Texture and Consistency	
Description	
Accelerated storage Test	
Freedom from dirt	
Presence of proteinous/ organic impurities	


### Water-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Antimony	Water as per 98/83/EC
Arsenic	
Boron	
Cadmium	
Chromium	
Copper	
Cyanide	
Fluoride	
Lead	
Mercury	
Nickel	
Nitrate	
Nitrites	
Alachlor	
Atrazine	
Aldrin	
Dieldrin	
Alpha HCH	
Beta HCH	
Delta HCH	
Butachlor	
Chlorpyrifos	
2,4-Dichlorophenoxyacetic acid	
<i>o, p</i> - DDT	
<i>o, p</i> - DDE	
<i>o, p</i> - DDD	
<i>p, p</i> - DDT	

  
Sabeerali A M  
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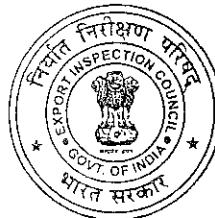
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<i>p, p- DDE</i>	
<i>p, p- DDD</i>	
Endosulfan	
Endosulfan alpha	
Endosulfan beta	
Endosulfan sulphate	
Ethion	
Gamma-HCH (Lindane)	
Isoproturon	
Malathion	
Methyl parathion	
Monocrotophos	
Phorate	
Heptachlor	
Heptachlor epoxide	
Pesticides-Total	
Poly aromatic Hydrocarbons (PAHs)	
Acenaphthene	
Acenaphthylene	
Anthracene	
Benzo[a]anthracene	
Benzo[b]fluoranthene	
Benzo[k]fluoranthene	
Benzo[ghi]perylene	
Benzo[a]pyrene	
Chrysene	
Dibenzo[a,h]anthracene	
Fluoranthene	
Fluorene	
Indeno[1,2,3-cd]pyrene	
Naphthalene	
Phenanthrene	
Pyrene	
Selenium	
Aluminum	
Ammonia	
Chloride	
Colour	
Hydrogen ion concentration	
Iron	
Manganese	
Odour	
Sulphate	
Sodium	
Taste	
Turbidity	
Colony count at 22°C	
Colony count at 37°C	
<i>Escherichia coli</i>	
<i>Pseudomonas aeruginosa</i>	
<i>Clostridium perfringens</i> (including spore)	
<i>Enterococci</i>	
Coliform bacteria	

Water as per 98/83/EC

  
Sabeerali A M  
Assistant Director



  
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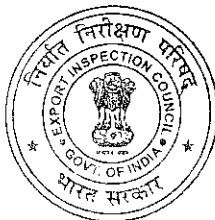
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### Water-1

(For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Products, Materials or Items (Matrix)
Colour	Water as per IS 4251 & IS 10500
Turbidity	Water as per IS 4251 & IS 10500
Odour	Water as per IS 4251 & IS 10500
pH	Water as per IS 4251 & IS 10500
Taste	Water as per IS 10500
Total Solids / Dry Residue / Non Volatile Residue	Water as per IS 4251
Total Hardness (as CaCO <sub>3</sub> )	Water as per IS 4251 & IS 10500
Sulphates (as SO <sub>4</sub> )	Water as per IS 4251 & IS 10500
Fluoride (as F)	Water as per IS 4251 & IS 10500
Chloride (as Cl)	Water as per IS 4251 & IS 10500
Cyanides (as CN)	Water as per IS 4251 & IS 10500
Selenium (as Se)	Water as per IS 4251 & IS 10500
Iron (as Fe)	Water as per IS 4251 & IS 10500
Magnesium (as Mg)	Water as per IS 4251 & IS 10500
Manganese (as Mn)	Water as per IS 4251 & IS 10500
Copper (as Cu)	Water as per IS 4251 & IS 10500
Lead (as Pb)	Water as per IS 4251 & IS 10500
Chromium (as Cr)	Water as per IS 4251 & IS 10500
Zinc (as Zn)	Water as per IS 4251 & IS 10500
Arsenic (as As)	Water as per IS 4251 & IS 10500
Nitrates (As N)	Water as per IS 4251
Phenolic substances/compounds (as C <sub>6</sub> H <sub>5</sub> OH)	Water as per IS 4251 & IS 10500
Cadmium (as Cd)	Water as per IS 4251 & IS 10500
Mercury (as Hg)	Water as per IS 4251
Total dissolved solids	Water as per IS 10500
Aluminum	Water as per IS 10500
Ammonia (as Total ammonia-N)	Water as per IS 10500
Anionic Surface Active Agents/Anionic detergents as MBAS	Water as per IS 10500
Barium	Water as per IS 10500
Boron	Water as per IS 10500
Calcium	Water as per IS 10500
Total chloramines (as Cl <sub>2</sub> )	Water as per IS 10500
Residual free Chlorine/ Chloride	Water as per IS 10500
Mineral Oil/ Total Oil and grease	Water as per IS 10500
Nitrates (as No <sub>3</sub> )	Water as per IS 10500
Silver	Water as per IS 10500
Sulphide	Water as per IS 10500
Alkalinity	Water as per IS 10500
Molybdenum	Water as per IS 10500
Nickel	Water as per IS 10500
Alachlor	Water as per IS 10500
Atrazine	Water as per IS 10500
Aldrin	Water as per IS 10500
Dieldrin	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
Butachlor	Water as per IS 10500

  
Sabeerali A M  
Assistant Director



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



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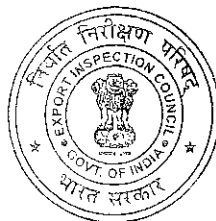
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Chlorpyrifos	Water as per IS 10500
2,4-Dichlorophenoxyacetic acid	Water as per IS 10500
<i>o, p</i> - DDT	Water as per IS 10500
<i>o, p</i> - DDE	Water as per IS 10500
<i>o, p</i> - DDD	Water as per IS 10500
<i>p, p</i> - DDT	Water as per IS 10500
<i>p, p</i> - DDE	Water as per IS 10500
<i>p, p</i> - DDD	Water as per IS 10500
Endosulfan	Water as per IS 10500
Endosulfan alpha	Water as per IS 10500
Endosulfan beta	Water as per IS 10500
Endosulfan sulphate	Water as per IS 10500
Ethion	Water as per IS 10500
Gamma-HCH (Lindane)	Water as per IS 10500
Isoproturon	Water as per IS 10500
Malathion	Water as per IS 10500
Methyl parathion	Water as per IS 10500
Monocrotophos	Water as per IS 10500
Phorate	Water as per IS 10500
<b>Polychlorinated biphenyl (PCB)</b>	
PCB 28 (2,4,4'-Trichlorobiphenyl)	Water as per IS 10500
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)	Water as per IS 10500
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)	Water as per IS 10500
PCB 118 (2,3,4,4',5,-Pentachlorobiphenyl)	Water as per IS 10500
PCB 153 (2,2',4,4',5,5'Hexachlorobiphenyl)	Water as per IS 10500
PCB 138 (2,2',3,4,4',5'- Hexachlorobiphenyl)	Water as per IS 10500
PCB 180 (2,2',3,4,4',5'- Heptachlorobiphenyl)	Water as per IS 10500
Polynuclear Aromatic Hydrocarbons (PAH)	Water as per IS 10500
Acenaphthene	Water as per IS 10500
Acenaphthylene	Water as per IS 10500
Anthracene	Water as per IS 10500
Benzo[a]anthracene	Water as per IS 10500
Benzo[b]fluoranthene	Water as per IS 10500
Benzo[k]fluoranthene	Water as per IS 10500
Benzo[ghi]perylene	Water as per IS 10500
Benzo[a]pyrene	Water as per IS 10500
Chrysene	Water as per IS 10500
Dibenzo[a,h]anthracene	Water as per IS 10500
Fluoranthene	Water as per IS 10500
Fluorene	Water as per IS 10500
Indeno[1,2,3-cd]pyrene	Water as per IS 10500
Naphthalene	Water as per IS 10500
Phenanthrene	Water as per IS 10500
Pyrene	Water as per IS 10500
Standard plate count/Aerobic microbial count	Water as per IS 4251
Total Coliform count	Water as per IS 4251 & 10500
Lipolytic count	Water as per IS 4251
Proteolytic count	Water as per IS 4251
Thermophillic count	Water as per IS 4251
Slime forming bacteria	Water as per IS 4251
<i>Escherichia coli</i>	Water as per IS 10500

  
Sabèerali A M  
Assistant Director



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