

EXPORT INSPECTION COUNCIL

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



Annexure-1 SCOPE OF APPROVAL

Name of the laboratory: M/s Punjab Biotechnology Incubator, Mohali
Validity of approval : Up to and including 06.03.2019

Date of issue: 07.03.2017
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Biological-1 (For exports to all countries including European Union)

Specific Tests or Parameter (Analyte)	Product Material or Item (Matrix)
Total Plate Count	Milk & Milk Products , Fruit & Vegetable Products, Surface & Hand swabs, Cereal & cereal products, Nuts & Nut products, Spices & Condiments, Bakery Products
Total Coliform count	Milk & Milk Products , Fruit & Vegetable Products, Basmati Rice, Surface & Hand swabs, Cereal & cereal products, Nuts & Nut products , Spices & Condiments , Bakery Products
<i>Enterobacteriaceae</i>	Milk & Milk Products , Fruit & Vegetable Products, Cereal & cereal products, Nuts & Nut products, Spices & Condiments, Bakery Products
<i>Escherichia coli</i>	Milk & Milk Products , Fruit & Vegetable Products, Basmati Rice, Cereal & cereal products, Nuts & Nut products , Spices & Condiments, Bakery Products
<i>Salmonella</i>	Milk & Milk Products , Fruit & Vegetable Products, Basmati Rice, Cereal & cereal products, Nuts & Nut products, Spices & Condiments, Bakery Products
<i>Shigella</i>	Milk & Milk Products, Fruit & Vegetable Products, Cereal & cereal products, Nuts & Nut products, , Spices & Condiments, Bakery Products
<i>Staphylococcus aureus</i>	Milk & Milk Products, Fruit & Vegetable Products, Basmati Rice, Surface & Hand swabs, Cereal & cereal products, Nuts & Nut products, Spices & Condiments, Bakery Products
Yeast & Mould count	Milk & Milk Products , Fruit & Vegetable Products, Basmati Rice, Cereal & cereal products, Nuts & Nut products, , Spices & Condiments, Bakery Products
<i>Bacillus cereus</i>	Milk & Milk Products , Fruit & Vegetable Products, Basmati Rice
<i>Listeria monocytogenes</i>	Milk & Milk Products
Thermophilic Plate Count	Milk & Milk Products
Thermotolerant Plate Count	Milk & Milk Products
Aerobic spore count (Bacillus cereus)	Milk & Milk Products
Flat sour Organism	Fruit & Vegetable Products
GM testing • Qualitative test for Presence/Absence of P35S & TNOS	Cereal, Pulses & cereal Products (Rice, Maize, Soya & Other their products), Fresh/Frozen Fruits & Vegetables, Spices & condiments, Bakery Products

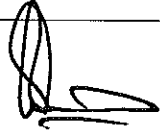
Chemical-2

(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Chloramphenicol	Honey, Milk & Milk Products
Tetracyclines • Tetracycline (sum of tetracycline & 4-epi-tetracycline) • Oxytetracycline(sum of Oxytetracycline & 4-epi- Oxy tetracycline) • Chlortetracycline (sum of Chlortetracycline & 4-epi- Chlortetracycline)	Honey , Milk & Milk Products


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Doxycycline	Milk & Milk Products
Tylosin A	Honey
Sulphonamides Group <ul style="list-style-type: none">• Sulfanilamide• Sulfadiazine• Sulfathiazole• Sulfamerazine• Sulfamethiazole• Sulfadimidine/sulfamathazine• Sulfamethoxypradiazine• Sulfadimethoxine• Sulfadoxine	Honey
Metronidazole	Honey
Nitrofurantoin <ul style="list-style-type: none">• Aminohydantoin (AHD)• 3-amino-5-morpholinomethyl-2-oxazolidione (AMOX)• Amino-oxazolidinone (AOZ)• Semicarbazide (SEM)	Honey
Dihydrostreptomycin including Streptomycin	Honey


Chemical-3

(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Aldrin	Milk & Milk Products, Honey
Dieldrin	Milk & Milk Products, Honey
Heptachlor	Milk & Milk Products, Honey
Alpha Endosulphan	Milk & Milk Products, Honey
Beta Endosulphan	Milk & Milk Products, Honey
Endosulphan Sulphate	Milk & Milk Products, Honey
Chlordane (trans & cis)	Milk & Milk Products
Methoxychlor	Milk & Milk Products
Ethion	Milk & Milk Products
Diazinon	Milk & Milk Products
Malathion	Milk & Milk Products, Honey
Methyl Parathion	Milk & Milk Products
Fenthion	Milk & Milk Products
Phorate	Milk & Milk Products
α -BHC (α -HCH)	Milk & Milk Products, Honey
β -BHC (β -HCH)	Milk & Milk Products, Honey
gamma-BHC (Lindane) / gamma-HCH	Milk & Milk Products, Honey
Fenitrothion	Milk & Milk Products
Primiphos methyl	Milk & Milk Products
Chloropyrifos	Milk & Milk Products
Chlorofenvinfos	Milk & Milk Products
Phenthoate	Milk & Milk Products
o,p-D.D.T	Milk & Milk Products, Honey
p,p-D.D.T	Milk & Milk Products, Honey


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o,p-D.D.D	Milk & Milk Products, Honey
p,p-D.D.D	Milk & Milk Products, Honey
o,p-D.D.E	Milk & Milk Products, Honey
p,p-D.D.E	Milk & Milk Products, Honey
Cypemethrin	Milk & Milk Products, Honey
Fenvalerate	Milk & Milk Products, Honey
Carbendazim (Benomyl)	Rice
Imidacloprid	Rice
Tricyclazole	Rice
Thiophanate Methyl	Rice
Isoprothiolane	Rice
Flonicamid	Rice
Metconazole	Rice
Prothioconazole	Rice
Tebufozide	Rice
Acephate	Rice
Carbofuran	Rice
Carbofuran 3-hydroxy	Rice
Carbaryl	Rice
Pirimiphos Methyl	Rice
Fenthion	Rice
Quinalphos	Rice
Butachlor	Rice
Buprofezin	Rice
Fenthion Sulfoxide	Rice
Fenthion Sulfone	Rice
Triazophos	Rice
Bifenthrin	Rice
Cyfluthrin I	Rice
Cyfluthrin II	Rice
Cyfluthrin III	Rice
Cyfluthrin IV	Rice
Chlorobenzene	Honey
Delta-HCH	Honey
Heptachlor Epoxide	Honey
Hexachlorobenzene	Honey
Vinclozolin	Honey
3,5-dichloroanilinemoiety	Honey
Coumafos	Honey
Malaixon	Honey
Phosalone	Honey
Cyfluthrin (I, II, III, IV)	Honey
Cyhalothrin	Honey
Deltamethrin	Honey
Permethrin	Honey
Amitraz	Honey


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Chemical-4


(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Cadmium	Honey, Milk & Milk Products, Fruits & Vegetables, Basmati Rice, Fruits & Vegetable products, Oils & Fats, Ready to Eat (RTE) and Ready to Cook (RTC) Foods, Infant Foods & Complementary Foods
Lead	Honey, Milk & Milk Products, Fruits & Vegetables, Basmati Rice, Fruits & Vegetable products, Oils & Fats, Ready to Eat (RTE) and Ready to Cook (RTC) Foods, Infant Foods & Complementary Foods
Arsenic	Honey, Fruits & Vegetables, Basmati Rice, Milk & Milk Products, Honey & Honey Based Products, Fruits & Vegetable products, Oils & Fats, Ready to Eat (RTE) and Ready to Cook (RTC) Foods, Infant Foods & Complementary Foods
Mercury	Milk & Milk Products, Honey & Honey Based Products, Oils & Fats, Ready to Eat (RTE) and Ready to Cook (RTC) Foods
Nickel	Oils & Fats
Tin	Ready to Eat (RTE) and Ready to Cook (RTC) Foods, Infant Foods & Complementary Foods
Total Aflatoxin (B1, B2, G1, G2)	Cereals (Rice), Spices (Chilly)
Aflatoxin M1	Milk & Milk Products
Hypercine	Milk & Milk Products, Cereals, Fruits and Vegetables, Ready to Eat, Spices & Condiments, Bakery Products
Saffarole	Milk & Milk Products, Cereals, Fruits and Vegetables, Ready to Eat, Spices & Condiments, Bakery Products
Agaric Acid	Cereals, Fruits and Vegetables, Ready to Eat, Spices & Condiments, Bakery Products
PCB's 28 - 2,4,4'-PCB 52 - 2,2',5,5'-PCB 101 - 2,2',4,5,5'-PCB 138 - 2,2',3,4,4',5-PCB 153 - 2,2',4,4',5,5'-PCB 180 - 2,2',3,4,4',5,5'-PCB	Milk & Milk Products, Honey


Chemical-5

(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Fructose - Glucose Ratio	Honey
Fiehe's Test	Honey
Hydroxyl Methyl Furfural Content (HMF)	Honey
Specific Gravity	Honey
Optical Density	Honey


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Freedom from Foreign Matter	Honey
Moisture	Honey, Milk & Milk Products, Fruits & Vegetables products Honey based Products, Fruit, Juices & Concentrates, Sugar & Confectionary Products, Cereal & Cereal products, Spices & condiments, Bakery Products, Nuts & Nut products, Ready to cook & Ready to eat foods
Sucrose	Honey, Honey based products, Sugar & Confectionary Products
Ash	Honey, Milk & Milk Products, Fruits & Vegetables products Honey based products, Sugar & Confectionary Products, Cereal & Cereal products, Spices & condiments, Bakery Products, Nuts & Nut products, Ready to cook & Ready to eat foods
Acidity	Honey, Fruits & Vegetables products Honey based products Milk & Milk Products, Sugar & Confectionary Products, Cereal & Cereal products, Bakery products
Total Reducing Sugars	Honey, Fruits & Vegetables products Honey based products, Sugar & Confectionary Products
Total Solids	Milk & Milk Products
Fat	Milk & Milk Products , Fruits & Vegetables products Sugar & Confectionary Products, Cereal & Cereal products, Bakery & Confectionary, Ready to cook & Ready to eat foods
Insolubility Index	Milk Products (Milk powder)
Titrateable Acidity	Milk & Milk Products
Total Milk Solids	Milk & Milk Products
Milk Solids not Fat	Milk & Milk Products
Acid Insoluble Ash	Milk & Milk Products, Fruits & Vegetables products, Fruit Juices & concentrates, Spices & condiments, Sugar & Confectionary Products, Cereal & Cereal products , Bakery & confectionary
Total Added Sugar	Milk
Milk Protein	Milk & Milk Products
Lactose	Milk & Milk Products
Vitamin A	Milk & Milk Products, Fruits & Vegetables products
Vitamin D	Milk & Milk Products, Fruits & Vegetables products
Reichert Meissl Value	Milk Products (oils & fats)
Polenske Value	Milk Products (oils & fats)
Free Fatty Acid (As Oleic Acid)	Milk Products (oils & fats)
Peroxide Value	Milk Products (oils & fats)
Salt	Milk & Milk Products
Insoluble impurities	Milk & Milk Products
Saponification Value	Milk & Milk Products (oils & fats)
Iodine Value	Milk & Milk Products (oils & fats)
Unsaponifiable Matter	Milk & Milk Products (oils & fats)
Baudouin Test	Milk Products
Curd	Milk Products (butter)
Butyro Refractometer Reading at 40 deg C	Milk Products (oils & fats)
Fatty Acid Profiling	Milk & Milk Products, Fruits & Vegetables products


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Protein	Fruits & Vegetables products, Milk & Milk Products Fruit Juices & concentrates, Sugar & Confectionary Products, Cereal & Cereal products, Bakery & Confectionary, Nuts & Nuts products, Spices & condiments, Ready to cook & Ready to eat foods
Total Energy	Fruits & Vegetables products Milk & Milk Products, Fruit Juices & concentrates, Sugar & Confectionary Products, Cereal & Cereal products, Bakery & Confectionary, Nuts & Nuts products
Carbohydrates	Fruits & Vegetables products, Milk & Milk Products, Fruit Juices & concentrates, Sugar & Confectionary Products, Cereal & Cereal products, Bakery & Confectionary, Nuts & Nuts products
Crude Fiber	Fruits & Vegetables products, Cereal & Cereal products, Spices & condiments
Dietary Fiber	Fruits & Vegetables products, Bakery Products
Conductivity	Honey
Color	Honey
Diastase Test	Honey
Sucrose	Milk Products
Phosphatase Test	Milk & Milk Products
Salt	Fruits & Vegetables products, Fruit Juices & concentrates, Spices & condiments, Bakery & Confectionary, Ready to cook & Ready to eat foods
Benzoic Acid	Fruits & Vegetables products
Total Soluble solids	Fruits & Vegetables products, Sugar & Confectionary Products, Fruit Juices & concentrates, Ready to cook & Ready to eat foods
Drained Weight	Fruits & Vegetables products
Peel in suspension	Fruits & Vegetables products
Total Sugar	Fruits & Vegetables products Bakery & Confectionary, Milk & Milk Products, Fruit Juices & concentrates, Ready to cook & Ready to eat foods
Sulphur dioxide	Fruits & Vegetables products, Fruit Juices & concentrates, Sugar & Confectionary Products Bakery products
Sudan Dyes	Fruits & Vegetables products, Curried Vegetables
Vitamin C	Milk & Milk Products, Fruits & Vegetables products, Bakery Products, Fruit, Juices & concentrates, Infant foods, Ready to cook & Ready to eat foods
Sulphated Ash	Sugar & Confectionary Products
Acidity of extracted fat	Bakery products
Alcoholic Acidity	Cereal & Cereal products, Bakery & Confectionary
Starch	Cereal & Cereal products, Fruit Juices & concentrates Spices & Condiments
Scorched Particle	Milk & Milk Products
Water Insoluble Ash	Spices & condiments


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Alcohol Soluble extract	Spices & condiments
Volatile Oil	Spices & condiments
Non-volatile ether extract	Spices & condiments
Cold water soluble extract	Spices & condiments
Curcumin content	Spices & condiments
Presence of chromate	Spices & condiments
Gluten	Cereal & Cereal products
Lactose crystal	Condensed Milk
Acrylamide	Bakery products
Chloestrol	Milk & Milk Products
Vitamin B1	Cereals and Cereals Products
Vitamin B2	
Vitamin B6	
Vitamin E	
C4 Sugar (corn or cane)	Honey


Physical -1

(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Extraneous matter (Organic & Inorganic), Mould, Living & Dead Insects, Insects damaged matter, Light seed, Brown seed, Red seed, weevilled, empty & Malformed capsules, Unripe & Marked fruits, Broken fruits seeds & fragments, Tendrils, Mother cloves, khokar cloves, headless cloves, split fruits, Damaged & discolored fruits, Light berries, Damaged berries, Other edible grains Detection of Kesari dal etc.	Spices & Condiments, Cereal & Pulses, Rice & Basmati Rice
Damaged & Discolored grains	Rice & Basmati Rice
Precook Length	Rice & Basmati Rice
L/B ratio	Rice & Basmati Rice
Broken & Fragment	Rice & Basmati Rice
Foreign matter	Rice & Basmati Rice
Green & Immature grains	Rice & Basmati Rice
Chalky rice	Rice & Basmati Rice
Black kernels	Rice & Basmati Rice
Under milled grains & red stripped grains	Rice & Basmati Rice
Paddy grains	Rice & Basmati Rice
Other rice including Red grains	Rice & Basmati Rice
Weevilled grains	Rice & Basmati Rice
Elongation ratio	Rice & Basmati Rice
Other grains	Rice & Basmati Rice
pH	Honey & Honey based Products, Fruit, juices & concentrates


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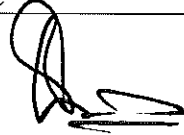
Water-1

(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Microbiological	
<i>Escherichia coli</i>	Water as per 98/83/EC
<i>Enterococci</i>	Water as per 98/83/EC
<i>Clostridium perfringens</i> (including spores)	Water as per 98/83/EC
<i>Pseudomonas aeruginosa</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
Coliform bacteria	Water as per 98/83/EC
Chemical	
Antimony	Water as per 98/83/EC
Arsenic	Water as per 98/83/EC
Boron	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
Cyanide	Water as per 98/83/EC
Fluoride	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
Nitrate	Water as per 98/83/EC
Nitrite	Water as per 98/83/EC
Selenium	Water as per 98/83/EC
Aluminium	Water as per 98/83/EC
Ammonium	Water as per 98/83/EC
Chloride	Water as per 98/83/EC
Colour	Water as per 98/83/EC
Conductivity	Water as per 98/83/EC
Hydrogen ion concentration [H ⁺]	Water as per 98/83/EC
Iron	Water as per 98/83/EC
Manganese	Water as per 98/83/EC
Odour	Water as per 98/83/EC
Sulfate	Water as per 98/83/EC
Sodium	Water as per 98/83/EC
Taste	Water as per 98/83/EC
Turbidity	Water as per 98/83/EC
Bromate	Water as per 98/83/EC
Polynuclear aromatic hydrocarbons i. Benzo (b) Fluorethene ii. Benzo (K) Fluorethene iii. Indeno (1,2,3-cd)Pyrene iv. Benzo (ghi) Perylene	Water as per 98/83/EC
Pesticides	
Alachlor	Water as per 98/83/EC


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Aldrin	Water as per 98/83/EC
Atrazine	Water as per 98/83/EC
BHC (alpha , beta & Delta)	Water as per 98/83/EC
BHC Gamma (Lindane)	Water as per 98/83/EC
Butachlor	Water as per 98/83/EC
Chlorpyrifos	Water as per 98/83/EC
DDT(2,4' & 4,4'of DDT,DDE & DDD)	Water as per 98/83/EC
Dieldrin	Water as per 98/83/EC
Endosulfan (alpha, beta & Sulfate)	Water as per 98/83/EC
Ethion	Water as per 98/83/EC
Malathion	Water as per 98/83/EC
Parathion methyl(Oxygen Analogue- Paraoxon Methyl)	Water as per 98/83/EC
Phorate (Oxygen Analogue- Phorate sulfoxide & sulphone)	Water as per 98/83/EC
Heptachlor	Water as per 98/83/EC
Heptachlor Epoxide	Water as per 98/83/EC
Chlorfenvinfos	Water as per 98/83/EC

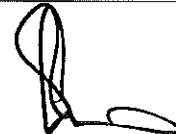
Water-2

(For exports to all countries including European Union)

Specific Test or Parameter (Analyte)	Product Material or Item (Matrix)
Microbiological	
Total Coliform	Water as per IS 4251 & IS 10500
<i>E.coli</i>	Water as per IS 10500
Standard Plate Count	Water as per IS 4251
Proteolytic and Lipolytic organisms combined count	Water as per IS 4251
Chemical	
Alkalinity	Water as per IS 4251 & IS 10500
Aluminium	Water as per IS 4251 & IS 10500
Anionic surface active agents (as MBAS)	Water as per IS 4251 & IS 10500
Arsenic (as As)	Water as per IS 4251 & IS 10500
Cadmium (as Cd)	Water as per IS 4251 & IS 10500
Calcium (as Ca)	Water as per IS 4251 & IS 10500
Chloride (as Cl)	Water as per IS 4251 & IS 10500
Chromium (as Cr)	Water as per IS 4251 & IS 10500
Colour (Hazen units)	Water as per IS 4251 & IS 10500
Copper (as Cu)	Water as per IS 4251 & IS 10500
Cyanide (as CN)	Water as per IS 4251 & IS 10500
Fluoride (as F)	Water as per IS 4251 & IS 10500
Iron (as Fe)	Water as per IS 4251 & IS 10500
Lead (as Pb)	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
Mercury (as Hg)	Water as per IS 4251 & IS 10500
Mineral oil	Water as per IS 4251 & IS 10500
Nitrate (as NO ₃)	Water as per IS 4251 & IS 10500


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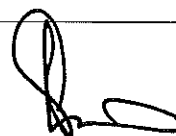
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Odour	Water as per IS 4251 & IS 10500
pH	Water as per IS 4251 & IS 10500
Phenolic compounds (as C ₆ H ₅ OH)	Water as per IS 4251 & IS 10500
Residual free chlorine	Water as per IS 4251 & IS 10500
Selenium (as Se)	Water as per IS 4251 & IS 10500
Sulphate (as SO ₄)	Water as per IS 4251 & IS 10500
Taste	Water as per IS 4251 & IS 10500
Total dissolved solids	Water as per IS 4251 & IS 10500
Total hardness (as CaCO ₃)	Water as per IS 4251 & IS 10500
Total solids	Water as per IS 4251 & IS 10500
Turbidity	Water as per IS 4251 & IS 10500
Zinc (Zn)	Water as per IS 4251 & IS 10500
Polynuclear aromatic hydrocarbons i. Benzo (b) Fluorethene ii. Benzo (K) Fluorethene iii. Indeno (1,2,3-cd)Pyrene iv. Benzo (ghi) Perylene	Water as per IS 10500
Pesticides	Water as per IS 10500
Alachlor	Water as per IS 10500
Aldrin	Water as per IS 10500
Atrazine	Water as per IS 10500
BHC (alpha , beta & Delta)	Water as per IS 10500
BHC Gamma (Lindane)	Water as per IS 10500
Butachlor	Water as per IS 10500
Chlorpyriphos	Water as per IS 10500
DDT(2,4' & 4,4'of DDT,DDE & DDD)	Water as per IS 10500
Dieldrin	Water as per IS 10500
Endosulfan (alpha, beta & Sulfate)	Water as per IS 10500
Ethion	Water as per IS 10500
Malathion	Water as per IS 10500
Parathion methyl(Oxygen Analogue- Paraoxon Methyl)	Water as per IS 10500
Phorate (Oxygen Analogue- Phorate sulfoxide & sulphone)	Water as per IS 10500
Molybedenum	Water as per IS 10500
Silver	Water as per IS 10500
Ammonia (NH ₃ -N)	Water as per IS 10500
Barium	Water as per IS 10500
Boron	Water as per IS 10500
Chloramines	Water as per IS 10500
Nickel	Water as per IS 10500
Sulphide (H ₂ S)	Water as per IS 10500
2,4-D	Water as per IS 10500
Isoproturon	Water as per IS 10500
PAH	Water as per IS 10500
Naphthalene	Water as per IS 10500
Acenaphthylene	Water as per IS 10500


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Name of the laboratory: M/s Punjab Biotechnology Incubator, Mohali
Validity of approval : Up to and including 06.03.2019

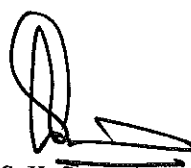
Date of issue: 07.03.2017

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Acenaphthene	Water as per IS 10500
Fluorene	Water as per IS 10500
Phenanthrene	Water as per IS 10500
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
PCB	Water as per IS 10500
2-Chlorobiphenyl	
2,3-Dichlorobiphenyl	
2,4,5-Trichlorobiphenyl	
2,2',4,4'-Tetrachlorobiphenyl	
2,2',3',4,6-Pentachlorobiphenyl	
2,2',4,4',5,6'-Hexachlorobiphenyl	
2,2',3,3',4,4',6-Heptachlorobiphenyl	
2,2',3,3',4,4',5',6,6'-Octachlorobiphenyl	
Hexavalent Chromium	


Saberali A M
Assistant Director




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