

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
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**AT LABORATORY**

**I. FOOD AND AGRICULTURAL PRODUCTS**

<b>1. Sugar, (Cane &amp; Cube), Raw sugar, Plantation white, Refine sugar and Hard boiled candy, Icing sugar/ Sweets &amp; Confectionery</b>	Moisture(Loss on drying)	IS 15279: 2003/ICUMSA (4 <sup>th</sup> Edition): 2005 (For ICUMSA All Methods) / DGHS: 2005 (Lab Manual 4) (Contents. 14.2)	0.01 % to 10 %
	Polarization	IS 15279: 2003/ ICUMSA (4 <sup>th</sup> Edition): 2005 (For ICUMSA All Methods)	10 °Z to 99.99 °Z
	Total ash	IS 15279: 2003	0.01 % to 5 %
	Sulfated Ash	IS 15279: 2003/ ICUMSA GS 1/3/4/7/8-11: 1994/ ICUMSA GS4/7/8-11: 1994	0.01 % to 2 %
	Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
	Cadmium	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
	Copper	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
	Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)	0.05 mg/kg to 30 mg/kg
	Iron	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg

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	<b>Sugar, (Cane &amp; Cube), Raw sugar, Plantation white, Refine sugar and Hard boiled candy, Icing sugar/ Sweets &amp; Confectionery</b>	Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Water insoluble matter	IS 15279: 2003	0.1 % to 20 %
		Crystal size	IS 498: 2003	1 % to 98 %
		Reducing sugar	IS 15279/ ICUMSA (4 <sup>th</sup> Edition): 2005 (For ICUMSA All Methods)	0.2 % to 99.9 %
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Sulphur Di Oxide	IS 15279: 2003	1 mg/kg to 30 mg/kg
		Grade	IS 498: 2003	10 % to 90 %
		Conductivity Ash	IS 15279: 2003/ ICUMSA (4 <sup>th</sup> Edition): 2005 (For ICUMSA All Methods)	0.01 % to 2.0 %
		Sucrose	IS 15279: 2003	10 % to 99.85 %
		Sulfated Ash (Salt free basis)	IS 15279: 2003	0.01 % to 2.0 %
		Tin	AOAC (19 <sup>th</sup> Edition) Method. 986.15: 2006 (by ICP-OES)	5.0 % to 250 mg/kg
		Acid Insoluble Ash	DGHS: 2005 (Lab Manual 4) (Contents. 14.3)	0.1 % to 1.0 %
	Added Coloring Matter (non-permitted)	DGHS: 2005 (Lab Manual 8) (Contents. 4)	Qualitative (Present/Absent)	

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	<b>Sugar, (Cane &amp; Cube), Raw sugar, Plantation white, Refine sugar and Hard boiled candy, Icing sugar/ Sweets &amp; Confectionery</b>	Color	ICUMSA GS2/3-9: 1994/ IS 15279: 2003	1.0 IU to 3000 IU
		Extraneous Matter	DGHS: 2005 (Lab Manual 6) (Contents. 2)	0.01 % to 2.0 %
		Sulphur Di Oxide Content	IS 15279: 2003	0.05 mg/kg to 50 mg/kg
		Total Sugar (expressed as Sucrose)	DGHS: 2005 (Lab Manual 4) (Contents. 6.4)	1.0 % to 85 %
		Benzoic acid	SO-IN-MUL-TE-028 (Issue. 1.1, Dated. 04.05.2015)	7.5 mg/kg to 1000 mg/kg
		Sorbic Acid	SO-IN-MUL-TE-028 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Titanium Dioxide	AOAC (19 <sup>th</sup> Edition) Method. 986.15: 2006	0.1 mg/kg to 10 mg/kg
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method. 986.15: 2006	0.1 mg/kg to 10 mg/kg
		Gum	DGHS: 2005 (Lab Manual 4) (Contents. 14.5)	2.0 % to 50.0 %
		Saccharine	DGHS: 2005 (Lab Manual 8) (Contents. 3.1)	Qualitative (Present/Absent)
<b>2.</b>	<b>Cane Molasses</b>	Ash (Sulphated)	IS 1162: 1958 (RA 2009)	0.1 % to 50 %
		Brix	IS 1162: 1958 (RA 2009)	5 °Brix to 95 °Brix
		Total Reducing Matter	IS 1162: 1958 (RA 2009)	10 % to 60 %

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<b>3.</b>	<b>Honey</b>	Specific Gravity	IS 4941: 1994 (RA 2009)	1.0 to 2.0
		Moisture	IS 4941: 1994 (RA 2009)	0.5 % to 50 %
		Total Reducing Sugar	IS 4941: 1994 (RA 2009)	1 % to 85 %
		Sucrose	IS 4941: 1994 (RA 2009)	1 % to 20 %
		Fructose-Glucose Ratio	IS 4941: 1994 (RA 2009)	0.5 % to 1.5 %
		Ash	IS 4941: 1994 (RA 2009)	0.1 % to 20 %
		Acidity	IS 4941: 1994 (RA 2009)	0.1 % to 1 %
		Fiehe's Test	IS 4941: 1994 (RA 2009)	Qualitative (Positive/Negative) or Qualitative (Found/Not Found)
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)	0.05 mg/kg to 30 mg/kg
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.01 mg/kg to 50 mg/kg

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	<b>Honey</b>	Iron	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.10 mg/kg to 50 mg/kg
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.10 mg/kg to 50 mg/kg
		HMF	IS 4941: 1994 (RA 2002)	2 mg/kg to 500 mg/kg
		Optical Density	IS 4941: 1994 (RA 2002)	0.1 % to 5 %
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Organochlorine Pesticides</b>	SO-IN-MUL-TE-061 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Alachlor		
		Aldrin		
		Alpha-HCH		
		Beta-HCH		
		Bromopropylate		
		Butachlor		
		Chlorobenzilate		









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	<b>Honey</b>	Diphenylamine 2,4-D Acetamiprid Atrazine Buprofezin Carbaryl Carbendazim Carbofuran Carfentrazone-ethyl Chlorantraniliprole Clothianidin Dazomet Diafenthiuron Difenoconazole Diflubenzuron Dimethomorph Dinotefuron	SO-IN-MUL-TE-061 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

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	<b>Honey</b>	Diuron Diuron Urea Derv. Ethiprole Etoxazole Fenarimol Fenazaquin Fenpyroximate Flubendiamide Glyphosate Glufosinate Ammonium Hexaconazole Hexythiazox Imidacloprid Isoproturon Methomyl Methoxychlor Myclobutanil	SO-IN-MUL-TE-061 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg



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4.	<b>Starch &amp; Starch Products Rice, Flour, Tamarind Kernels, Guar Gum Powder</b>	Moisture	IS 4706 (Part 2): 1978 (RA 2005)	0.1 % to 80 %
		Total Ash	IS 4706 (Part 2): 1978 (RA 2005)	0.1 % to 10 %
		Sulfated Ash	IS 4706 (Part 2): 1978 (RA 2005)	0.01 % to 10 %
		Acid Insoluble Ash	IS 4706 (Part 2): 1978 (RA 2005)	0.1 % to 5 %
		Crude fiber	IS 4706 (Part 2): 1978 (RA 2005)	0.1 % to 20 %
		pH	IS 4706 (Part 2): 1978 (RA 2005)	1 to 14
		Free Acidity	IS 4706 (Part 2): 1978 (RA 2005)	0.1 % to 5 %
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (ICP-OES)	0.05 mg/kg to 30 mg/kg		

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	<b>Starch &amp; Starch Products Rice, Flour, Tamarind Kernels, Guar Gum Powder</b>	Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (ICP-OES)	0.01 mg/kg to 50 mg/kg
		Iron	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.10 mg/kg to 50 mg/kg
		Alcoholic Acidity	IS 4706 (Part 1): 1978 (RA 2005)	0.1 % to 5 %
		Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
		SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg	

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	<b>Starch &amp; Starch Products Rice, Flour, Tamarind Kernels, Guar Gum Powder</b>	Aflatoxin G1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320 µg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144/: 2012, AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg

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	<b>Starch &amp; Starch Products</b>	Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
	<b>Rice, Flour, Tamarind</b>	Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
	<b>Kernels, Guar Gum Powder</b>			
<b>5.</b>	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni</b>	Refraction	IS 4333 (Part 1): 1996 (RA 2001)/ IS 2813: 1995	0.5 % to 90 %
	<b>Products (Cereals &amp; Cereal products)</b>	Moisture	IS 4333 (Part 2) 2002/ GAFTA 130:2.2: 2005/ IS 2813: 1995 (RA 2010) / IS 1010: 1968 (RA 2005)/ IS 1155: 1968 / IS 1009: 1970	0.5 % to 50 %
		Insect and Rodent contamination	IS 4333 (Part 2) 2002/ Organoleptic	Qualitative (Present/Absent)
		Total Ash	GAFTA 130:11.0: 2005/ IS 1010: 1968 (RA 2005)/ IS 1155: 1968 / IS 1009: 1970	0.1 % to 50 %
		Acid Insoluble Ash	GAFTA 130:12.0: 2005/ IS 1010: 1965 (RA 2005)/ IS 1155: 1968 / IS 1009: 1970	0.1 % to 20 %

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	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni Products (Cereals &amp; Cereal products)</b>	Gluten	IS 1155: 1968/ IS 1009: 1979/ IS 1010: 1968 (RA 2005)/ IS 1155: 1968 / IS 1009: 1970	10 % to 30 %
		Protein	GAFTA 130:4.1: 2005	0.1 % to 95 %
		Alcoholic Acidity	IS 1155: 1968/ IS 1009: 1979/ IS 1010: 1965 (RA 2005)	0.1 % to 5 %
		Crude Fiber	AOAC (19 <sup>th</sup> Edition) Method. 920.86: 2012, Chapter. 32.1.15 /GAFTA 130: 9.0: 2005/ IS 10226: 1982 (RA 2000)	0.1 % to 25 %
		Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 994.10: 2012	1 mg/100g to 100 mg/100g
		Dietary Fiber	AOAC (19 <sup>th</sup> Edition) 985.29: 2012	5.0 % to 50.0 %
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition) Method. 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)/ AOAC (19 <sup>th</sup> Edition) 986.15: 2006	0.05 mg/kg to 30 mg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni Products (Cereals &amp; Cereal products)</b>	Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)/ AOAC (19 <sup>th</sup> Edition) 986.15: 2006	0.1 mg/kg to 50 mg/kg
		Tin	AOAC (19 <sup>th</sup> Edition) Method. 980.19: 2012, Chapter. 9.2 / AOAC (19 <sup>th</sup> Edition) 986.15: 2006	10.0 mg/kg to 50 mg/kg
		Iron	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Saffrole	SO-IN-MUL-TE-048 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 969.13: 2012	0.1 mg/kg to 2.0 mg/kg
		Other Edible Grains	Physical / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	0.50 % to 50.0 %
		Uric Acid	IS 4333 (Part 5): 1970 (RA 2000)	0.10 mg/kg to 50 mg/kg
		Argemone Seed	Visual Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni Products (Cereals &amp; Cereal products)</b>	Khesari Dal	Visual Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Insect	Visual Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Rodent Hair & Excreta	Microscopic Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Presence of Mould	Microscopic Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Test for Added Colour	Microscopic Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni Products (Cereals &amp; Cereal products)</b>	Aflatoxin G1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
			SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/kg to 100 µg/kg
		Aflatoxin G2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
			SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
		Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
			SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni Products (Cereals &amp; Cereal products)</b>	Pesticide Residues	SO-IN-MUL-TE-057 (Issue. 1.1, Dated. 04.05.2015) [AOAC 2007.01, prEN 15662: 2007(E) & QuEChERS]	10 µg/kg to 320 µg/kg
		Aldrin		
		Dieldrin		
		Diazinone		
		Fenitrothion		
		Heptachlor		
		Malathion		
		Chlorpyrifos		
		Ethion		
		Monocrotophos		
	Decamethrin/ Deltamethrin			
	Phorate			
	Inorganic Bromide	SO-IN-MUL-TE-113 (Ref. CPCB Guideline, USEPA 3540C, 8082A)	5.0 mg/kg to 200 mg/kg	
	Benzoic Acid	AOAC (19 <sup>th</sup> Edition) 999.10: 2006,	7.5 mg/kg to 1000 mg/kg	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Food Grain and Food Products- Wheat, Rice, Maize, Pulses, Besan, Suji, Atta, Black Matpe, Green Peas, Chick Peas, Toor, Green Moong, Red Lentils, Macaroni Products (Cereals &amp; Cereal products)</b>	Sorbic Acid	AOAC (19 <sup>th</sup> Edition) 999.10: 2006,	10 mg/kg to 1000 mg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
<b>6.</b>	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Moisture	IS 13853: 1994 (RA 1999) / ISO 1573: 1990	0.5 % to 50 %
		Total Ash	IS 13854: 1994/ISO 1575: 1987	0.5 % to 50 %
		Water soluble Ash (of total ash)	IS 13855: 1993/ISO 1576: 1988	0.1 % to 80 %
		Water in-soluble Ash (of total ash)	IS 13855: 1993/ISO 1576: 1988	0.1 % to 80 %
		Alkalinity of Water Soluble Ash	IS 13856: 1993/ISO 1578: 1975	0.1 % to 10 %
		Acid Insoluble Ash as K <sub>2</sub> O or KOH	IS 13857: 1993 (RA 1998)/ ISO 1577: 1987	0.1 % to 5 %
	Water extract	IS 13862: 1999/ISO 9768: 1964	0.1 % to 80 %	

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Crude fiber	IS 10226: 1982 (RA 2000)/ ISO 5498: 1981/ AOAC (19 <sup>th</sup> Edition) Method. 920.102: 2006 Chapter. 30.1.31	0.1 % to 50 %
		Caffeine content	AOAC (19 <sup>th</sup> Edition) Method. 925.17: 2006, Chapter. 30.1.27	0.5 % to 5 %
		Tannin content	SO-IN-MUL-TE-115 (Issue. 1.1, Dated. 04.05.2015)	0.1 % to 50 %
		Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 994.10: 2012	1 mg/100g to 100 mg/100g
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Tin	AOAC (19 <sup>th</sup> Edition): 2012, Method. 980.19 Chapter. 9.2	10.0 mg/kg to 50 mg/kg
		Titanium	AOAC (19 <sup>th</sup> Edition): 2012, Method. 983.27(by ICP-OES)	0.50 mg/kg to 10 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition): 2012, Method. 971.20 (by ICP-OES)	0.20 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)	0.05 mg/kg to 30 mg/kg
		Calcium	AOAC (19 <sup>th</sup> Edition): 2012, Method. 985.01 (by ICP-OES)	0.50 mg/kg to 10000 mg/kg
		Magnesium	AOAC (19 <sup>th</sup> Edition): 2012, Method. 985.01 (by ICP-OES)	0.50 mg/kg to 10000mg/kg
		Manganese	AOAC (19 <sup>th</sup> Edition): 2012, Method. 985.01 (by ICP-OES)	0.10 mg/kg to 1000 mg/kg
		Iron	AOAC (19 <sup>th</sup> Edition): 2012, Method. 985.01 (by ICP-OES)	0.50 mg/kg to 100000 mg/kg
		Chromium	AOAC (19 <sup>th</sup> Edition): 2012, Method. 985.01 (by ICP-OES)	0.20 mg/kg to 50 mg/kg
		Nickel	AOAC (19 <sup>th</sup> Edition): 2012, Method. 971.20 (by ICP-OES)	0.20 mg/kg to 50 mg/kg
		Total Poly Phenol	ISO 14502-1: 2005 (E)	5.30 % to 50 %
		Petroleum ether extract	AOAC (19 <sup>th</sup> Edition) Method. 925.18: 2006 ,Chapter. 30.1.30	0.1 % to 50 %

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg

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<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320 µg/kg
		Gallic Acid	ISO 14502-2: 2005 (E) by HPLC	0.01 % to 10 %
		Epigallo Catechin	ISO 14502-2: 2005 (E) by HPLC	0.20 % to 10 %
		Catechin	ISO 14502-2: 2005 (E) by HPLC	0.10 % to 10 %
		Epicatechin	ISO 14502-2: 2005 (E) by HPLC	0.20 % to 10 %
		Epigallo Catechin Gallate	ISO 14502-2: 2005 (E) by HPLC	0.50 % to 20 %
		Epi Catechin Gallate	ISO 14502-2: 2005 (E) by HPLC	0.10 % to 10 %
		Total catechin Content	ISO 14502-2: 2005 (E) by HPLC	0.50 mg/kg to 1000 mg/kg
		Metal Magnetic Impurity (Iron Fillings)	SO-IN-MUL-TE-115 (Issue. 1.1, Dated. 04.05.2015)	0.50 mg/kg to 1000 mg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Organochlorine Pesticides</b>	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Alachlor		
		Aldrin		
		Alpha-HCH		
		Beta-HCH		
		Bromopropylate		
		Butachlor		
		Chlorobenzilate		
		cis-Chlordane		
		Delta-HCH		
		Dieldrin		

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Dichloran	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Dicofol		
		Endosulfan Sulfate		
		Endosulfan-I		
		Endosulfan-II		
		Endrin		
		Gamma-HCH (Lindane)		
		Hexachlorobenzene		
		op'-DDD		
		op'-DDE		
		op'-DDT		
		pp'-DDD		
		pp'-DDE		
		pp'-DDT		
		Heptachlor		
		Heptachlor epoxide		
		Methoxychlor		
	Tetradifon			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	trans-Chlordane	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Organophosphorus Pesticides		
		Acephate		
		Captafol		
		Captan		
		Carbofenthion		
		Chlorpyrifos		
		Chlorpyrifos methyl		
		Diazinon		
		Dichlorvos		
		Dimethoate		
		Edifenphos		
		Ethion		
		Fenamiphos		
		Fenchlorphos		
	Fenitrothion			
	Fenthion			
	Fenthion Sulfoxide			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Fipronil	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Imazalil		
		Iprobenphos		
		Malathion		
		Malaoxon		
		Methamidophos		
		Methidathion		
		Methyl parathion		
		Monocrotophos		
		Omethoate		
		Parathion		
		Paraoxon Methyl		
		Phenthoate		
		Phorate Sulfoxide		
		Phosalone		
	Phosphamidon			
	Pirimiphos Methyl			
	Pirimiphos Ethyl			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Profenophos	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Phorate		
		Phorate Sulfone		
		Quinalphos		
		Triazophos		
		Trichlorfon		
		Synthetic Pyrethroid Pesticides		
		Bifenthrin		
		cis-Permethrin		
		Cyfluthrin (Total)		
		Cypermethrin (Total)		
		Deltamethrin		
		EsFenvalerate		
		Fenpropathrin		
		Fenvalerate		
		Flucythrinate		
	Lambda-Cyhalothrin			
	tau-Fluvalinate			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	trans-Permethrin	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Other Pesticides		
		Diphenylamine		
		2,4-D		
		Acetamiprid		
		Atrazine		
		Azoxystrobin		
		Buprofezin		
		Carbaryl		
		Carbendazim		
		Carbofuran		
		Carfentrazone-ethyl		
		Chlorantraniliprole		
		Clothianidin		
		Dazomet		
		Diafenthiuron		
	Difenoconazole			
	Diflubenzuron			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Dimethomorph	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Dinotefuron		
		Diuron		
		Diuron Urea Derv.		
		Ethiprole		
		Etoxazole		
		Fenarimol		
		Fenazaquin		
		Fenpyroximate		
		Flubendiamide		
		Glyphosate		
		Glufosinate Ammonium		
		Hexaconazole		
		Hexythiazox		
		Imidacloprid		
	Isoproturon			
	Mancozeb			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Maneb	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Methomyl		
		Methoxychlor		
		Myclobutanil		
		Paraquat Dichloride		
		Penconazole		
		Propachlor		
		Propargite		
		Propiconazole		
		Pyridaben		
		Pyriproxyfen		
		Simazine		
		Spinosyn A (Spinosad)		
		Spinosyn D (Spinosad)		
		Spiromesifen		
	Tebuconazole			
	Thiacloprid			

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	<b>Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee</b>	Thiamethoxam	SO-IN-MUL-TE-021 (Issue. 1.2, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Thiram		
		Triadimefon		
		Zineb		
		Ziram		
7.	<b>Tea</b>	Aflatoxin B1,B2	AOAC (19 <sup>th</sup> Edition): 2012, by Elisa kit -990.34	2.5 µg/kg to 100 µg/kg
8.	<b>Fruits and vegetable canned products, Jam, Jelly, Pickles, Marmalade, Chutney, Pulp, squash, syrup/ Fruits and vegetable (Fresh),Raw material, Processed and Finished Food, Fruit Juice &amp; Nector</b>	Specific Gravity	IS 2860: 1964 (RA 2008)	0.5 to 1.5
		Acidity of cut out syrup	IS 2860: 1964 (RA 2008) AOAC (19 <sup>th</sup> Edition) Method. 942.15: 2012	0.2 % to 10 %
		Sodium chloride in brine	IS 2860: 1964 (RA 2008)	0.2 % to 10 %
		Calcium Content	IS 2860: 1964 (RA 2008)	0.2 % to 10 %
		Acid insoluble ash	IS 13846: 1993	0.5 % to 50 %
		Dietary Fiber	AOAC (19 <sup>th</sup> Edition) 985.29: 2012	0.1 % to 25 %
		Benzoic Acid	AOAC (19 <sup>th</sup> Edition) Method. 994.11: 2012	7.5 mg/kg to 1000 mg/kg
	Sorbic Acid	AOAC (19 <sup>th</sup> Edition) Method. 994.11: 2012	10 mg/kg to 1000 mg/kg	

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	<b>Fruits and vegetable canned products, Jam, Jelly, Pickles, Marmalade, Chutney, Pulp, squash, syrup/ Fruits and vegetable (Fresh),Raw material, Processed and Finished Food, Fruit Juice &amp; Nector</b>	Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 994.10: 2012	1 mg/100g to 100 mg/100g
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Tin	AOAC (19 <sup>th</sup> Edition): 2012, Method. 980.19(by ICP-OES)	10.0 mg/kg to 50 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.20 mg/kg to 50 mg/kg
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.1 mg/kg to 20 mg/kg
		Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)	0.1 mg/kg to 30 mg/kg
		Iron	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.50 mg/kg to 1000 mg/kg
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.10 mg/kg to 100 mg/kg
		Total Soluble Solids	IS 13815: 1993 (RA 1998)/ AOAC (19 <sup>th</sup> Edition) Method. 932.12: 2012	0.50 % to 85 %
	Hypericine	SO-IN-MUL-TE-041 (Issue. 1.1, Dated. 04.05.2015)	0.10 % to 50 %	

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	<b>Fruits and vegetable canned products, Jam, Jelly, Pickles, Marmalade, Chutney, Pulp, squash, syrup/ Fruits and vegetable (Fresh),Raw material, Processed and Finished Food, Fruit Juice &amp; Nector</b>	Saffrole	SO-IN-MUL-TE-048 (Issue. 1.1, Dated. 04.05.2015)	0.1 mg/kg to 2.0 mg/kg
		Copper Oxychloride (as Cu)	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Rotting	Visual Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Rodent Contamination	DGHS: 2005 (Lab Manual 3) (Contents. 1.2)	Qualitative (Present/Absent)
		Added Colouring Matter	DGHS: 2005 (Lab Manual 8) (Contents. 4 & 4.1)	Qualitative (Present/Absent)
		Added Wax Coating	DGHS: 2005 (Lab Manual 2) (Contents. 21.1)	Qualitative (Present/Absent)
		Mould	Visual Examination / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
	Aflatoxin B1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015)	5.0 µg/kg to 80.0 µg/kg or µg/l	

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	<b>Fruits and vegetable canned products, Jam, Jelly, Pickles, Marmalade, Chutney, Pulp, squash, syrup/ Fruits and vegetable (Fresh),Raw material, Processed and Finished Food, Fruit Juice &amp; Nector</b>	Aflatoxin B2	by LC-MSMS SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Total Aflatoxins (B1, B2, G1, G2)	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg or µg/l
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Pesticide Residues</b>	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
	Endosulfan			
	Fenitrothion			
	Hexachlorocyclohexane and its isomers			

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	<b>Fruits and vegetable canned products, Jam, Jelly, Pickles, Marmalade, Chutney, Pulp, squash, syrup/ Fruits and vegetable (Fresh),Raw material, Processed and Finished Food, Fruit Juice &amp; Nector</b>	Malathion	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Parathion		
		Parathion Methyl		
		Chlorpyrifos		
		Chloropyrifos Methyl		
		Ethion		
	Phorate			
<b>9.</b>	<b>Milk and Milk product (Milk Powder, Skimmed Milk Powder, Curd, Condense Milk, Malted Milk Food, Infant Milk Substance/ Processed Baby Food, Infant Formula)</b>	Moisture	IS 11623: 1986 (RA 1992)/ IS 1806: 1975	0.5 % to 50 %
		Total ash	IS 1165: 2002/ IS 14433: 2007	0.1 % to 25 %
		Fat	IS 11721: 2005/ ISO 1736: 2000/ IS 11762: 1986 (RA 1997) / IS 1479 (Part 1): 1960/ IS 1166: 1986	0.5 % to 50 %
		Protein	IS 7219: 1973 (RA 2005)	0.5 % to 80 %
		Starch Content	DGHS: 2005 (Lab Manual 1) (Contents. 1.2) / IS 1806: 1975	Qualitative (Present/Absent)

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	<b>Milk and Milk product (Milk Powder, Skimmed Milk Powder, Curd, Condense Milk, Malted Milk Food, Infant Milk Substance/ Processed Baby Food, Infant Formula)</b>	Cane Sugar Content	IS 1479 (Part 1): 1960	Qualitative (Present/Absent)
		Titration acidity as lactic acid	IS 1165: 2002/IS 11766: 1986/ IS 1479 (Part 1): 1960/ IS 1166: 1986	0.05 % to 1 %
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/l to 50 mg/l
		Copper	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/l to 50 mg/l
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/l to 50 mg/l
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/l to 50 mg/l
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.10 mg/l to 20 mg/l
		Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)	0.1 mg/l to 30 mg/l
		Total Milk Solid	IS 1166: 1986	2 % to 50 %
		Sucrose	IS 1166: 1986	0.5 % to 50 %
		Acid Insoluble Ash	IS 14433: 2007	0.02 % to 0.5 %

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	<b>Milk and Milk product (Milk Powder, Skimmed Milk Powder, Curd, Condense Milk, Malted Milk Food, Infant Milk Substance/ Processed Baby Food, Infant Formula)</b>	Melamine	SO-IN-MUL-TE-095 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	0.25 mg/kg to 16.0 mg/kg
		Cyanuric Acid	SO-IN-MUL-TE-097 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	0.50 mg/kg to 16.0 mg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Pesticide Residues</b>		
	Aldrin, Dieldrin	SO-IN-MUL-TE-060 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg	
	DDT	SO-IN-MUL-TE-060 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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	<b>Milk and Milk product (Milk Powder, Skimmed Milk Powder, Curd, Condense Milk, Malted Milk Food, Infant Milk Substance/ Processed Baby Food, Infant Formula)</b>	Fenitrothion	SO-IN-MUL-TE-060 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Heptachlor		
		Hexachlorocyclohexane		
		Chlorpyrifos		
		Ethion		
		Cypermethrin		
		Fenvalerate		
		Phorate		
<b>10.</b>	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Moisture	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Ca 2a- 45)	0.01 % to 10 %
		Insoluble Impurities	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Ca 3a-46)	0.01 % to 10 %
		Acid Value	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Cd 3d- 63)	0.1 to 150
		Free Fatty Acid	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Ca 5a – 40)	0.05 % to 70 %

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Unsaponifiable Matter	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Ca 6a – 40)	0.1 % to 10 %
		Iodine Value(Wijs)	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Cd 1 – 25)	10 to 300
		Saponification Value	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Cd 3b – 76)	50 to 500
		Peroxide Value	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Cd 8 – 53)	(0.5 miliequiv to 50 miliequiv)/1000 g
		Test for presence of Mineral Oil	IS 548 (Part 2): 1976 (RA 2000)	Qualitative (Present/Absent)
		Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.10: 20 mg/kg
	Mercury	AOAC (19 <sup>th</sup> Edition) Method. 971.21: 2012, (by ICP-OES)	0.1 mg/kg to 30 mg/kg	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Density	IS 4730: 1994/ AOCS (5 <sup>th</sup> Edition) (Cc 10C-95)	0.5 g/ml to 1.50 g/ml
		Zinc	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Melting Point	IS 548 (Part 1): 1964 (RA 2006)/ AOCS (6 <sup>th</sup> Edition) (Cc 1-25) /AOCS (6 <sup>th</sup> Edition) (Cc3-25)	5 °C to 50 °C
		Flash Point	AOCS (6 <sup>th</sup> Edn (Cc 9C-95)	200 °C to 350 °C
		Colour	IS 548 (Part 1): 1964 (RA 2010)	0.1 to 50
		Boudouin Test	IS 548 (Part 2): 1976 (RA 2010)	0.1 to 50
		Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 970.51: 2012	1 mg/100g to 100 mg/100g
		Anti Oxidant (BHA)	AOAC (19 <sup>th</sup> Edition) Method. 983.15: 2012/ AOCS (6 <sup>th</sup> Edition) (Ce6-86)	10 mg/kg to 500 mg/kg
		Anti Oxidant (BHT)	AOAC (19 <sup>th</sup> Edition) Method. 983.15: 2012/ AOCS (6 <sup>th</sup> Edition) (Ce6-86)	10 mg/kg to 500 mg/kg
		Anti Oxidant (TBHQ)	AOAC (19 <sup>th</sup> Edition) Method. 983.15: 2012/ AOCS (6 <sup>th</sup> Edition) (Ce6-86)	10 mg/kg to 500 mg/kg
	Added Coloring Matter	DGHS: 2005 (Lab Manual 8) (Contents. 4)	Qualitative (Present/Absent)	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Added Flavoring Matter	Organoleptic / SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	Qualitative (Present/Absent)
		Test for Argemone Oil	IS 548 (Part 2): 1976 (RA 2010)	Qualitative (Present/Absent)
		Test for Cotton Seed Oil	IS 548 (Part 2): 1976 (RA 2010)	Qualitative (Present/Absent)
		Phosphorous (as P)	AOCS (6 <sup>th</sup> Edition) (Ca 12-55: 1997)	0.10 mg/l to 20 mg/l
		Cloud Point	AOCS (6 <sup>th</sup> Edition) Ce 6-25(09) /DGHS: 2005	1 to 30
		Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/l to 100 µg/l
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/l to 80.0 µg/l
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/l to 100 µg/l
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/l to 80.0 µg/l

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Aflatoxin G1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	1.0 µg/l to 100 µg/l
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/l to 80.0 µg/l
		Aflatoxin G2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/l to 100 µg/l
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/l to 80.0 µg/l
		Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015), Ref:AOAC (19 <sup>th</sup> Edition) Method. 999.07: 2012	0.5 µg/l to 100 µg/l
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/l to 320 µg/l
	Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg	
	Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Organochlorine Pesticides</b>	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Alachlor		
		Aldrin		
		Alpha-HCH		
		Beta-HCH		
		Bromopropylate		
		Butachlor		
		Chlorobenzilate		
		cis-Chlordane		
		Delta-HCH		
		Dieldrin		
	Dichloran			
	Dicofol			
	Endosulfan Sulfate			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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	<b>Oils and Fats</b>	Endosulfan-I	SO-IN-MUL-TE-059	10 µg/kg to 320 µg/kg
	<b>Mustard Oil,</b>	Endosulfan-II	(Issue. 1.1, Dated. 04.05.2015)	
	<b>Sesame Oil,</b>	Endrin		
	<b>Coconut Oil,</b>	Gamma-HCH (Lindane)		
	<b>Palm Oil,</b>	Hexachlorobenzene		
	<b>Soyabean Oil,</b>	op'-DDD		
	<b>Butter, Palmolein</b>	op'-DDE		
	<b>Oil,</b>	op'-DDT		
	<b>Palm Kernel Oil</b>	pp'-DDD		
		pp'-DDE		
		pp'-DDT		
		Heptachlor		
		Heptachlor epoxide		
		Methoxychlor		
		Tetradifon		
		trans-Chlordane		
		Organophosphorus Pesticides		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats</b>	Acepahte	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
	<b>Mustard Oil,</b>	Captan		
	<b>Sesame Oil,</b>	Carbofenthion		
	<b>Coconut Oil,</b>	Chlorpyrifos		
	<b>Palm Oil,</b>	Chlorpyrifos methyl		
	<b>Soyabean Oil,</b>	Diazinon		
	<b>Butter, Palmolein</b>	Dichlorvos		
	<b>Oil,</b>	Dimethoate		
	<b>Palm Kernel Oil</b>	Edifenphos		
		Ethion		
		Fenamiphos		
		Fenchlorphos		
		Fenitrothion		
		Fenthion		
		Fenthion Sulfoxide		
		Iprobenphos		
		Malathion		
		Malaaxon		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Methidathion	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Methyl parathion		
		Monocrotophos		
		Omethoate		
		Parathion		
		Paraoxon Methyl		
		Phenthoate		
		Phorate Sulfoxide		
		Phosalone		
		Phosphamidon		
		Profenophos		
		Phorate		
		Phorate Sulfone		
		Quinalphos		
		Triazophos		
	Trichlorfon			
	Synthetic Pyrethroid Pesticides			
	Bifenthrin			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats</b>	cis-Permethrin	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
	<b>Mustard Oil,</b>	Cyfluthrin (Total)		
	<b>Sesame Oil,</b>	Cypermethrin (Total)		
	<b>Coconut Oil,</b>	Deltamethrin		
	<b>Palm Oil,</b>	EsFenvalerate		
	<b>Soyabean Oil,</b>	Fenpropathrin		
	<b>Butter, Palmolein</b>	Fenvalerate		
	<b>Oil,</b>	Lambda-Cyhalothrin		
	<b>Palm Kernel Oil</b>	tau-Fluvalinate		
		trans-Permethrin		
		Other Pesticides		
		Diphenylamine		
		2,4-D		
		Acetamiprid		
		Atrazine		
		Buprofezin		
		Carbaryl		
		Carbendazim		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Oils and Fats</b>	Carbofuran	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
	<b>Mustard Oil,</b>	Carfentrazone-ethyl		
	<b>Sesame Oil,</b>	Chlorantraniliprole		
	<b>Coconut Oil,</b>	Clothianidin		
	<b>Palm Oil,</b>	Dazomet		
	<b>Soyabean Oil,</b>	Diafenthiuron		
	<b>Butter, Palmolein</b>	Difenoconazole		
	<b>Oil,</b>	Diflubenzuron		
	<b>Palm Kernel Oil</b>	Dimethomorph		
		Dinotefuron		
		Diuron		
		Diuron Urea Derv.		
		Ethiprole		
		Etoxazole		
		Fenarimol		
		Fenazaquin		
		Fenpyroximate		
		Flubendiamide		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Oils and Fats</b>	Glyphosate	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
	<b>Mustard Oil,</b>	Glufosinate Ammonium		
	<b>Sesame Oil,</b>	Hexaconazole		
	<b>Coconut Oil,</b>	Hexythiazox		
	<b>Palm Oil,</b>	Imidacloprid		
	<b>Soyabean Oil,</b>	Isoproturon		
	<b>Butter, Palmolein</b>	Methomyl		
	<b>Oil,</b>	Methoxychlor		
	<b>Palm Kernel Oil</b>	Myclobutanil		
		Paraquat Dichloride		
		Penconazole		
		Propachlor		
		Propargite		
		Propiconazole		
		Pyridaben		
		Pyriproxyfen		
		Simazine		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oils and Fats Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil</b>	Spinosyn A (Spinosad)	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Spinosyn D (Spinosad)		
		Spiromesifen		
		Tebuconazole		
		Thiacloprid		
		Thiamethoxam		
		Triadimefon		
<b>11.</b>	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	Moisture	IS 7874: 1975/ GAFTA 130: 2.0: 2005	0.2 % to 50 %
		Oil / Fat Content	IS 3579: 1966/ IS 7874: 1975/ GAFTA 130:3.0: 2005/ AOCS (6 <sup>th</sup> Edition) Amd. 2: 93 ISO 659: 2009	0.2 % to 70 %
		Acid Value/ FFA (of Extracted Fat/Oil)	IS 548 (Part 1): 1964 (RA 2010)/ AOCS (6 <sup>th</sup> Edition) (Ca 5a-40)/ AOCS (6 <sup>th</sup> Edition) (Cd 3d-63)	0.1 to 80
		Crude Fiber	GAFTA 130:10:0: 2005/ IS IS 4684: 1975/ IS IS 7835: 1975/ IS 7874 (Part 1): 1975	0.1 % to 50 %
		Impurities	IS 3579: 1966	0.2 % to 50 %

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	Acid Insoluble Ash/Sand Silica	IS 7878 (Part 1): 1975/ GAFTA 130:13.0: 2003	0.2 % to 50 %
		Protein	IS 7874 (Part 1): 1975/ GAFTA 130: 4.0: 2003	0.5 % to 70 %
		Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>		SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320 µg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Organochlorine Pesticides</b>		
		Alachlor	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Aldrin		
		Alpha-HCH		
		Beta-HCH		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	Bromopropylate	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Butachlor		
		Chlorobenzilate		
		cis-Chlordane		
		Delta-HCH		
		Dieldrin		
		Dichloran		
		Dicofol		
		Endosulfan Sulfate		
		Endosulfan-I		
		Endosulfan-II		
		Endrin		
		Gamma-HCH (Lindane)		
		Hexachlorobenzene		
		op'-DDD		
		op'-DDE		
		op'-DDT		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	pp'-DDD pp'-DDE pp'-DDT Heptachlor Heptachlor epoxide Methoxychlor Tetradifon trans-Chlordane Organophosphorus Pesticides Acephalte Captan Carbofenthion Chlorpyrifos Chlorpyrifos methyl Diazinon Dichlorvos Dimethoate Edifenphos	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg



<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	Phosphamidon Profenophos Phorate Phorate Sulfone Quinalphos Triazophos Trichlorfon Synthetic Pyrethroid Pesticides Bifenthrin cis-Permethrin Cyfluthrin (Total) Cypermethrin (Total) Deltamethrin EsFenvalerate Fenpropathrin Fenvalerate Lambda-Cyhalothrin tau-Fluvalinate	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	trans-Permethrin	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Other Pesticides		
		Diphenylamine		
		2,4-D		
		Acetamiprid		
		Atrazine		
		Buprofezin		
		Carbaryl		
		Carbendazim		
		Carbofuran		
		Carfentrazone-ethyl		
		Chlorantraniliprole		
		Clothianidin		
		Dazomet		
		Diafenthiuron		
		Difenoconazole		
		Diflubenzuron		
		Dimethomorph		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	Dinotefuron Diuron Diuron Urea Derv. Ethiprole Etoxazole Fenarimol Fenazaquin Fenpyroximate Flubendiamide Glyphosate Glufosinate Ammonium Hexaconazole Hexythiazox Imidacloprid Isoproturon Methomyl Methoxychlor Myclobutanil	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Oil Seeds, Rice Bran, De- Oiled Cake</b>	Paraquat Dichloride	SO-IN-MUL-TE-059 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Penconazole		
		Propachlor		
		Propargite		
		Propiconazole		
		Pyridaben		
		Pyriproxyfen		
		Simazine		
		Spinosyn A (Spinosad)		
		Spinosyn D (Spinosad)		
		Spiromesifen		
		Tebuconazole		
		Thiacloprid		
		Thiamethoxam		
		Triadimefon		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
12.	<b>Protein Rich Food &amp; Feeding Stuff (Soya Product, Nut &amp; Nut Products, Groundnut Flour, Soya Flour, Cotton Seed Flour/Cashew Nuts/Raw Cashew Nuts/ Almonds /Dry Fruits /Rasines)</b>	Moisture	GAFTA 130:2.1: 2005/ IS 4684: 1975/ IS 7835: 1975/ IS 7874 (Part 1): 1975	0.1 % to 80 %
		Crude Protein	GAFTA 130:4:1: 2005/ IS 4684: 1975/ IS 7835: 1975/ IS 7874 (Part 1): 1975	0.5 % to 80 %
		Crude Ash	GAFTA 130:11:0: 2005/ IS 4684: 1975/ IS 7835: 1975/ IS 7874 (Part 1): 1975/ AOAC (19 <sup>th</sup> Edition) Method. 942.05: 2012	0.10 % to 50 %
		Acid Insoluble ash	GAFTA 130:12:0: 2005/ IS 4684: 1975/ IS 7835: 1975/ IS 7874 (Part 1): 1975	0.1 % to 50 %
		Crude Fat	GAFTA 130:3.0: 2005/ IS 4684: 1975/ IS 7835: 1975/ IS 3579: 1966/ IS 7874 (Part 1): 1975	0.10 % to 50 %
		Acid Value of the Extracted Fat	IS 548 (Part 1): 1976	0.5 to 80
		Crude Fiber	GAFTA 130:9:0: 2005/ IS 4684: 1975/ IS 7835: 1975/ IS 7874 (Part 1): 1975	0.1 % to 50 %

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Protein Rich Food &amp; Feeding Stuff (Soya Product, Nut &amp; Nut Products, Groundnut Flour, Soya Flour, Cotton Seed Flour/Cashew Nuts/Raw Cashew Nuts/ Almonds /Dry Fruits /Rasines)</b>	Phosphorous	GAFTA 130:8.0: 2005	0.1 % to 10 %
		Salt	IS 7874 (Part 2): 1975	0.1 % to 10.0 %
		Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 994.10 : 2012	1 mg/100g to 100 mg/100g
		Fatty Acid Composition	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Saturated Fat	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Mono Unsaturated Fatty Acids	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Poly Unsaturated Fatty Acids	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Trans Fat	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Hypericine	SO-IN-MUL-TE-041 (Issue. 1.1, Dated. 04.05.2015)	0.10 mg/kg to 50 mg/kg
		Saffrole	SO-IN-MUL-TE-048 (Issue. 1.1, Dated. 04.05.2015)	0.1 mg/kg to 2.0 mg/kg
	Extraneous Vegetable Matter	IS 4333 (Part 1): 1996 (RA 2001)	0.1 to 8.0	
	Insect Fragment	DGHS: 2005 (Lab Manual 6) (Contents. 2)	Qualitative (Present/Absent)	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Protein Rich Food &amp; Feeding Stuff (Soya Product, Nut &amp; Nut Products, Groundnut Flour, Soya Flour, Cotton Seed Flour/Cashew Nuts/Raw Cashew Nuts/ Almonds /Dry Fruits /Rasines)</b>	Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Protein Rich Food &amp; Feeding Stuff (Soya Product, Nut &amp; Nut Products, Groundnut Flour, Soya Flour, Cotton Seed Flour/Cashew Nuts/Raw Cashew Nuts/ Almonds /Dry Fruits /Rasines)</b>	Anti Oxidant (BHA)	AOAC (19 <sup>th</sup> Edition) Method. 983.15: 2012/ AOCS (6 <sup>th</sup> Edition) (Ce6-86)	10 mg/kg to 1000 mg/kg
		Anti Oxidant (BHT)	AOAC (19 <sup>th</sup> Edition) Method. 983.15: 2012/ AOCS (6 <sup>th</sup> Edition) (Ce6-86)	10 mg/kg to 1000 mg/kg
		Anti Oxidant (TBHQ)	AOAC (19 <sup>th</sup> Edition) Method. 983.15: 2012/ AOCS (6 <sup>th</sup> Edition) (Ce6-86)	10 mg/kg to 1000 mg/kg
		Rodent Hair & Excreta	DGHS: 2005 (Lab Manual 3) (Contents. 2)	Qualitative (Present/Absent)
		Added Color	DGHS: 2005 (Lab Manual 3) (Contents. 5)	Qualitative (Present/Absent)
		Mould Affected	DGHS: 2005 (Lab Manual 3) (Contents. 3)	Qualitative (Present/Absent)
		Acidity of Extracted Fat (as Oleic Acid)	AOAC (19 <sup>th</sup> Edition): 2006	0.1 % to 10 %
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
	Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Protein Rich Food &amp; Feeding Stuff (Soya Product, Nut &amp; Nut Products, Groundnut Flour, Soya Flour, Cotton Seed Flour/Cashew Nuts/Raw Cashew Nuts/ Almonds /Dry Fruits /Rasines)</b>	Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		<b>Pesticide Residues</b>	SO-IN-MUL-TE-057 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Ethion		
<b>13.</b>	<b>Fish and Marine Products or Fish and Fishery Products</b>	Lead	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Mercury	AOAC (19 <sup>th</sup> Edition) Method. 977.15: 2012, (by ICP-OES)	0.1 mg/kg to 30 mg/kg
		Arsenic	AOAC (19 <sup>th</sup> Edition) Method 986.15: 2012, (by ICP-OES)	0.10 mg/kg to 20 mg/kg
		Copper	AOAC (19 <sup>th</sup> Edition) Method 999.10: 2012, (by ICP-OES)	0.1 mg/kg to 50 mg/kg
		Tin	AOAC (19 <sup>th</sup> Edition) Method. 980.19: 2012, (by ICP-OES)	0.50 mg/kg to 50 mg/kg
		Pesticide Residues	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fish and Marine Products or Fish and Fishery Products</b>	Endosulfan	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Hexachlorocyclohexane and its isomers		
		Quinalphos		
		Histamine Content	SO-IN-MUL-TE-082 (Issue. 1.1, Dated. 04.05.2015)	20 mg/kg to 500 mg/kg
		Total Volatile Base Nitrogen	SO-IN-MUL-TE-081 (Ref.: Manual for Fish & Fishery Products (Analytical)	(0.5 mg to 500 mg)/100g
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Aflatoxin B1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin B2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
	Aflatoxin G1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l	

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fish and Marine Products or Fish and Fishery Products</b>	Aflatoxin G2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Total Aflatoxins (B1, B2, G1, G2)	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg or µg/l
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
<b>14.</b>	<b>Spices (Powder &amp; Whole)/ Seasoning Soup Powder</b>	Capsaicin Content	AOAC (19 <sup>th</sup> Edition) Method 995.03: 2006	500 to 10,00000 (SHU)
		Starch	IS 4706 (Part 2): 1978 (RA 2005)	0.5 % to 80 %
		Hypericine	SO-IN-MUL-TE-041 (Issue. 1.1, Dated. 04.05.2015)	0.10 mg/kg to 50 mg/kg
		Saffrole	SO-IN-MUL-TE-048 (Issue. 1.1, Dated. 04.05.2015) (Ref. AOAC (19 <sup>th</sup> Edition) Method 969.13: 2006	0.1 mg/kg to 2.0 mg/kg
		Acid Insoluble Ash (in HCl on dry basis)	IS 1797: 1985 (RA 2009)	0.05 % to 20.0 %
		Extraneous Matter	IS 1797: 1985 (RA 2009)	0.10 % to 50.0 %

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	<b>Spices(Powder &amp; Whole)/ Seasoning Soup Powder</b>	Moisture	IS 1797: 1985 (RA 2009)/ AOAC (19 <sup>th</sup> Edition): 2006	0.10 % to 50.0 %
		Total Ash (On dry basis)	IS 1797: 1985 (RA 2009)	0.10 % to 50.0 %
		Volatile Oil (On dry basis)	IS 1797: 1985 (RA 2009)	0.10 % to 20.0 %
		Live or Dead Insect	Visual/ SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	NA
		Fungal Growth	Organoleptic/ SO-IN-MUL-TE- 131 (Issue. 1.0, Dated. 09.10.2015)	NA
		Added Coloring Matter	DGHS: 2005 (Lab Manual 8) (Contents. 4)	NA
		Rodent Hair & Excreta	Visual/ SO-IN-MUL-TE-131 (Issue. 1.0, Dated. 09.10.2015)	NA
		Curcumin Content	IS 10925: 1984 (RA 2012)	0.10 % to 10.0 %
		Non-Volatile Ether Extracted	IS 1797: 1985 (RA 2009)	0.10 % to 20.0 %
		Arsenic	AOAC (19 <sup>th</sup> Edition) 999.10: 2006	5 mg/kg to 50 mg/kg
		Cadmium	AOAC (19 <sup>th</sup> Edition) 999.10: 2006	2 mg/kg to 20 mg/kg
		Lead	AOAC (19 <sup>th</sup> Edition) 999.10: 2006	0.5 mg/kg to 5 mg/kg
		Mercury	AOAC (19 <sup>th</sup> Edition) 999.10: 2006	0.5 mg/kg to 5 mg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Spices(Powder &amp; Whole)/ Seasoning Soup Powder</b>	Aflatoxin B1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin B2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G1	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	1.0 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Aflatoxin G2	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg
		Total Aflatoxin (B1,B2,G1,G2)	SO-IN-MUL-TE-030 (Issue. 1.1, Dated. 04.05.2015)	0.5 µg/kg to 100 µg/kg
			SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Spices(Powder &amp; Whole)/ Seasoning Soup Powder</b>	Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
		Inorganic Bromide	SO-IN-MUL-TE-113	5.0 mg/kg to 200 mg/kg
<b>15.</b>	<b>Carbonated Beverages/Sport Drinks/Soft Drinks</b>	Arsenic	IS 6854: 1973 (RA 1995) (by ICP-OES)	0.1 mg/kg to 1.0 mg/kg
		Lead	IS 6854: 1973 (RA 1995) (by ICP-OES)	0.2 mg/kg to 2.0 mg/kg
		Copper	IS 6854: 1973 (RA 1995) (by ICP-OES)	0.1 mg/kg to 1.0 mg/kg
		Iron	IS 6854: 1973 (RA 1995) (by ICP-OES)	0.2 mg/kg to 2.0 mg/kg



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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
16.	<b>Animal Fats in Vegetables &amp; Fats</b>	Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 970.51 : 2012	1 mg/100g to 100 mg/100g
17.	<b>Turmeric (Haldi)</b>	Chromate Test	IS 3576: 1994 (RA 2003)	Qualitative (Negative/Positive)
18.	<b>Edible Common Salt</b>	Alkalinity (as Na <sub>2</sub> CO <sub>3</sub> )	IS 253: 1985	0.1 % to 1.0 %
		Matter Soluble in water other than Sodium Chloride	IS 253: 1985	0.01 % to 0.25 %
		Moisture	IS 253: 1985	0.1 % to 5.0 %
		Chloride Content	IS 253: 1985	10 % to 75 %
		Water Insoluble Matter	IS 253: 1985	0.1 % to 5.0 %
		Iodine Content	IS 7224: 2006	5 mg/kg to 500 mg/kg
19.	<b>Paneer</b>	Moisture	IS 10484: 1983	5 % to 50 %
		Fat (Milk)	IS 10484: 1983	1 % to 50 %
		Sorbic Acid	SO-IN-MUL-TE-028 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Paneer</b>	Aflatoxin B1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin B2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Total Aflatoxins (B1, B2, G1, G2)	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg or µg/l
<b>20.</b>	<b>Iodized Salt</b>	Sodium Chloride (as NaCl)	IS 7224: 1985	25 % to 99.5 %
<b>21.</b>	<b>Biscuit</b>	Moisture	IS 1011: 2002	1 % to 25 %
		Acid Insoluble Ash	IS 1011: 2002	0.01 % to 1 %
		Added Coloring Matter	DGHS: 2005 (Lab Manual 8) (Contents. 4)	Qualitative (Present/Absent)
		Salt (as NaCl)	DGHS: 2005 (Lab Manual 5) (Contents. 1.7)	0.10 % to 25 %
		Saccharin	DGHS: 2005 (Lab Manual 8) (Contents. 3.1)	Qualitative (Present/Absent)

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Biscuit</b>	Acidity of Extracted Fat (as Oleic Acid)	IS 1011: 2002	0.01 % to 5 %
		Cholesterol	AOAC (19 <sup>th</sup> Edition) Method. 970.51: 2012	1 mg/100g to 100 mg/100g
		Fatty Acid Composition	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Saturated Fat	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Mono Unsaturated Fatty Acids	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Poly Unsaturated Fatty Acids	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Trans Fat	IS 548 (Part 3): 1976 (RA 2006) by GC- FID	>0.01 %
		Hypericine	SO-IN-MUL-TE-041 (Issue. 1.1, Dated. 04.05.2015)	0.10 mg/kg to 50 mg/kg
		Saffrole	SO-IN-MUL-TE-048 (Issue. 1.1, Dated. 04.05.2015)	0.1 mg/kg to 2.0 mg/kg
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg

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	<b>Biscuit</b>	Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
<b>22.</b>	<b>Papad</b>	Moisture	IS 2639: 1999 (RA 2005)	0.5 % to 50 %
		Total Ash	IS 2639: 1999 (RA 2005)	0.05 % to 20 %
		Acid Insoluble Ash	IS 2639: 1999 (RA 2005)	0.05 % to 20 %
		pH	IS 2639: 1999 (RA 2005)	2 to 12
		Alkalinity of Ash as Sodium Carbonate	IS 2639: 1999 (RA 2005)	0.5 % to 10 %
		Fat	IS 2639: 1999 (RA 2005)	0.5 % to 10 %
		Crude Fibre	IS 2639: 1999 (RA 2005)	0.5 % to 5.0 %
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g

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	<b>Papad</b>	Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
<b>23.</b>	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Organochlorine Pesticides Alachlor Aldrin Alpha-HCH Beta-HCH Bromopropylate Butachlor Chlorobenzilate cis-Chlordane Delta-HCH Dieldrin Dichloran Dicofol Endosulfan Sulfate Endosulfan-I Endosulfan-II	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Endrin	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Gamma-HCH (Lindane)		
		Hexachlorobenzene		
		op'-DDD		
		op'-DDE		
		op'-DDT		
		pp'-DDD		
		pp'-DDE		
		pp'-DDT		
		Heptachlor		
		Heptachlor epoxide		
		Methoxychlor		
		Tetradifon		
		trans-Chlordane		
		Organophosphorus Pesticides		
		Acepahte		
	Captan			
	Carbofenthion			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Chlorpyrifos	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Chlorpyrifos methyl		
		Diazinon		
		Dichlorvos		
		Dimethoate		
		Edifenphos		
		Ethion		
		Fenamiphos		
		Fenchlorphos		
		Fenitrothion		
		Fenthion		
		Fenthion Sulfoxide		
		Iprobenphos		
		Malathion		
		Malaoxon		
		Methidathion		
	Methyl parathion			
	Monocrotophos			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Omethoate	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Parathion		
		Paraoxon Methyl		
		Phenthoate		
		Phorate Sulfoxide		
		Phosalone		
		Phosphamidon		
		Profenophos		
		Phorate		
		Phorate Sulfone		
		Quinalphos		
		Triazophos		
		Trichlorfon		
		Synthetic Pyrethroid Pesticides		
		Bifenthrin		
	cis-Permethrin			
	Cyfluthrin (Total)			
	Cypermethrin (Total)			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Deltamethrin	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		EsFenvalerate		
		Fenpropathrin		
		Fenvalerate		
		Lambda-Cyhalothrin		
		tau-Fluvalinate		
		trans-Permethrin		
		Other Pesticides		
		Diphenylamine		
		2,4-D		
		Acetamiprid		
		Atrazine		
		Buprofezin		
		Carbaryl		
		Carbendazim		
	Carbofuran			
	Carfentrazone-ethyl			
	Chlorantraniliprole			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Clothianidin	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Dazomet		
		Diafenthiuron		
		Difenoconazole		
		Diflubenzuron		
		Dimethomorph		
		Dinotefuron		
		Diuron		
		Diuron Urea Derv.		
		Ethiprole		
		Etoxazole		
		Fenarimol		
		Fenazaquin		
		Fenpyroximate		
		Flubendiamide		
	Glyphosate			
	Glufosinate Ammonium			
	Hexaconazole			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Hexythiazox	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Imidacloprid		
		Isoproturon		
		Methomyl		
		Methoxychlor		
		Myclobutanil		
		Paraquat Dichloride		
		Penconazole		
		Propachlor		
		Propargite		
		Propiconazole		
		Pyridaben		
		Pyriproxyfen		
		Simazine		
		Spinosyn A (Spinosad)		
	Spinosyn D (Spinosad)			
	Spiromesifen			
	Tebuconazole			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Thiacloprid	SO-IN-MUL-TE-056 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Thiamethoxam		
		Triadimefon		
		Agaric Acid	SO-IN-MUL-TE-088 (Issue. 1.1, Dated. 04.05.2015) by HPLC	10.0 mg/kg to 200.0 mg/kg
		Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg
		Aflatoxin B1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin B2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Total Aflatoxins (B1, B2, G1, G2)	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg or µg/l

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fresh Fruits and Vegetables, Spices, Cereals, Grains, Pulses, Raw Material, Processed and Finished Food, Fruit Juice &amp; Nectar</b>	Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g
24.	<b>Meat, Poultry and their Products</b>	Organochlorine Pesticides	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Alachlor		
		Aldrin		
		Alpha-HCH		
		Beta-HCH		
		Bromopropylate		
		Butachlor		
		Chlorobenzilate		
		cis-Chlordane		
		Delta-HCH		
		Dieldrin		
		Dichloran		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Meat, Poultry and their Products</b>	Dicofol	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Endosulfan Sulfate		
		Endosulfan-I		
		Endosulfan-II		
		Endrin		
		Gamma-HCH (Lindane)		
		Hexachlorobenzene		
		op'-DDD		
		op'-DDE		
		op'-DDT		
		pp'-DDD		
		pp'-DDE		
		pp'-DDT		
		Heptachlor		
		Heptachlor epoxide		
	Methoxychlor			
	Tetradifon			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Meat, Poultry and their Products</b>	trans-Chlordane Organophosphorus Pesticides Acepahte Captan Carbofenthion Chlorpyrifos Chlorpyrifos methyl Diazinon Dichlorvos Dimethoate Edifenphos Ethion Fenamiphos Fenchlorphos Fenitrothion Fenthion Fenthion Sulfoxide Iprobenphos	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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	<b>Meat, Poultry and their Products</b>	Malathion	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Malaoxon		
		Methidathion		
		Methyl parathion		
		Monocrotophos		
		Omethoate		
		Parathion		
		Paraoxon Methyl		
		Phenthoate		
		Phorate Sulfoxide		
		Phosalone		
		Phosphamidon		
		Profenophos		
		Phorate		
		Phorate Sulfone		
	Quinalphos			
	Triazophos			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Meat, Poultry and their Products</b>	Trichlorfon Synthetic Pyrethroid Pesticides Bifenthrin cis-Permethrin Cyfluthrin (Total) Cypermethrin (Total) Deltamethrin EsFenvalerate Fenpropathrin Fenvalerate Lambda-Cyhalothrin tau-Fluvalinate trans-Permethrin Other Pesticides Diphenylamine 2,4-D Acetamiprid Atrazine	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Meat, Poultry and their Products</b>	Buprofezin	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Carbaryl		
		Carbendazim		
		Carbofuran		
		Carfentrazone-ethyl		
		Chlorantraniliprole		
		Clothianidin		
		Dazomet		
		Diafenthiuron		
		Difenoconazole		
		Diflubenzuron		
		Dimethomorph		
		Dinotefuron		
		Diuron		
		Diuron Urea Derv.		
	Ethiprole			
	Etoxazole			
	Fenarimol			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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	<b>Meat, Poultry and their Products</b>	Fenazaquin	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Fenpyroximate		
		Flubendiamide		
		Glyphosate		
		Glufosinate Ammonium		
		Hexaconazole		
		Hexythiazox		
		Imidacloprid		
		Isoproturon		
		Methomyl		
		Methoxychlor		
		Myclobutanil		
		Paraquat Dichloride		
		Penconazole		
		Propachlor		
		Propargite		
	Propiconazole			
	Pyridaben			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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	<b>Meat, Poultry and their Products</b>	Pyriproxyfen	SO-IN-MUL-TE-058 (Issue. 1.1, Dated. 04.05.2015)	10 µg/kg to 320 µg/kg
		Simazine		
		Spinosyn A (Spinosad)		
		Spinosyn D (Spinosad)		
		Spiromesifen		
		Tebuconazole		
		Thiacloprid		
		Thiamethoxam		
		Triadimefon		
		Agaric Acid		
	Hydrocyanic Acid	AOAC (19 <sup>th</sup> Edition) Method. 920.144: 2012, / AOAC (19 <sup>th</sup> Edition) Method. 915.03: 2012,	0.1 mg/kg to 20 mg/kg	
	Aflatoxin B1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l	
	Aflatoxin B2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Meat, Poultry and their Products</b>	Aflatoxin G1	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Aflatoxin G2	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	5.0 µg/kg to 80.0 µg/kg or µg/l
		Total Aflatoxins (B1, B2, G1, G2)	SO-IN-MUL-TE-096 (Issue. 1.1, Dated. 04.05.2015) by LC-MSMS	20.0 µg/kg to 320.0 µg/kg or µg/l
		Vitamin C	SO-IN-MUL-TE-111 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.01 µg/100g to 10.0 µg/100g
		Vitamin A	SO-IN-MUL-TE-112 (Issue. 1.0, Dated. 09.10.2015) by HPLC	0.02 µg/100g to 100.0 µg/100g

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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25.	<b>Food Grain and Food Products- Besan, Suji, Atta, Macaroni Products, Tea/coffee powder, Coffee beans, Indian Black Tea/Herbs/Spices/ Instant Coffee, Oils and Fats, Mustard Oil, Sesame Oil, Coconut Oil, Palm Oil, Soyabean Oil, Butter, Palmolein Oil, Palm Kernel Oil, Protein Rich Food &amp; Feeding Stuff (Soya Product, Nut &amp; Nut Products, Groundnut Flour, Soya Flour, Cotton Seed Flour/Cashew Nuts/Raw Cashew Nuts/ Almonds /Dry Fruits /Rasines), Animal Fats in Vegetables &amp; Fats, Biscuit</b>	Fatty Acid Composition	IS 548 (Part 3): 1976 (RA 2009) by GC-FID	>0.01 %
		Saturated Fat	IS 548 (Part 3): 1976 (RA 2009) by GC-FID	>0.01 %
		Mono Unsaturated Fatty Acids (MUFA)	IS 548 (Part 3): 1976 (RA 2009) by GC-FID	>0.01 %
		Poly Unsaturated Fatty Acids (PUFA)	IS 548 (Part 3): 1976 (RA 2009) by GC-FID	>0.01 %
		Trans Fat	IS 548 (Part 3): 1976 (RA 2009) by GC-FID	>0.01 %

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>II.</b>	<b>WATER</b>			
<b>1.</b>	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Color	IS 3025 (Part 4): 1983 (RA 2005)	1 to Above 50 HU
		Turbidity	IS 3025 (Part 10): 1984 (RA 2005)	0.5 NTU to 100 NTU
		Total Dissolved Solid	IS 3025 (Part 16): 1984 (RA 2005)	10 mg/l to 2500 mg/l
		pH	IS 3025 (Part 11): 1983 (RA 2005)	1.0 to 14
		Barium	IS 13428 Annexure F / APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 10 mg/l
		Copper	IS 3025 (Part 42): 1992/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 50 mg/l
		Iron	IS 3025 (Part 53): 2003/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.02 mg/l to 50 mg/l
		Manganese	IS 3025 (Part 59): 2006 /APHA (22 <sup>nd</sup> Edition) 3111B: 2012	0.01 mg/l to 10 mg/l

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Nitrate	APHA (22 <sup>nd</sup> Edition) 4500-NO <sub>3</sub> -B/ E: 2012/ IS 3025 (Part 34): 1988 (RA 2005) (cadmium reduction)	0.1 mg/l to 40 mg/l
		Nitrite	APHA (22 <sup>nd</sup> Edition) 4500-NO <sub>2</sub> B: 2012 /IS 3025 (Part 34): 1988 (RA 2005) (colorimetric)	0.02 mg/l to 10 mg/l
		Fluoride	IS 3025 (Part 60): 2008/ APHA (22 <sup>nd</sup> Edition) 4500-F-D/C: 2012	0.1 mg/l to 10 mg/l
		Zinc	IS 3025 (Part 49): 1994/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 10 mg/l
		Silver	IS 13428: 1998 Annexure J / APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 1.0 mg/l
		Aluminium	IS 3025 (Part 55): 2003/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.03 mg/l to 10 mg/l
		Chloride	IS 3025 (Part 32): 1988/ APHA (22 <sup>nd</sup> Edition) 4500-Cl B: 2012	2 mg/l to 1000 mg/l
		Selenium	IS 3025 (Part 56) / APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.005 mg/l to 5.0 mg/l

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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Sulphate	IS 3025 (Part 24): 1986/ APHA (22 <sup>nd</sup> Edition) 4500-SO <sub>4</sub> E: 2012	2 mg/l to 100 mg/l
		Alkalinity (As CaCO <sub>3</sub> )	IS 3025 (Part 23): 1986/ APHA (22 <sup>nd</sup> Edition) 2320 B: 2012	5 mg/l to 500 mg/l
		Calcium	APHA (22 <sup>nd</sup> Edition) 3500-Ca B: 2012/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)/ IS 3025 (Part 40): 1991 (RA 2005)	1.0 mg/l to 500 mg/l
		Magnesium	IS 3025 (Part 46): 1994/ APHA (22 <sup>nd</sup> Edition) 3500-Mg B: 2012 / APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.1 mg/l to 200 mg/l
		Sodium	IS 3025 (Part 45): 1993/ APHA (22 <sup>nd</sup> Edition) 3500-Na B: 2012 / APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.1 mg/l to 500 mg/l
		Residual Free Chlorine	IS 3025 (Part 26): 1986 (RA2005) / SO-IN-MUL-TE-019 (Issue. 1.1, Dated. 04.05.2015)	0.1 mg/l to 10 mg/l
		Phenolic Compound	APHA (22 <sup>nd</sup> Edition) 5530-C: 2012/ IS 3025 (Part 43): 1992 (RA 2005)	0.001 mg/l to 1.0 mg/l

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	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Mineral Oil	IS 3025 (Part 39): 1981/ APHA (22 <sup>nd</sup> Edition) 5520-B/C: 2012	0.01 % to 0.1 mg/l
		Anionic Surface Active Agent/Anionic Detergents	IS 13428: 1998 Annexure K / APHA (22 <sup>nd</sup> Edition) 5540- B &C: 2012	0.05 mg/l to 0.5 mg/l
		Mercury	IS 3025 (Part 48 1994/APHA (22 <sup>nd</sup> Edition) 3112 B: 2012 (by Hg Analyser)	0.001 mg/l to 5.0 mg/l
		Cadmium	IS 3025 (Part 41): 1992/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 5.0 mg/l
		Arsenic	IS 3025 (Part 37): 1988 / APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.005 mg/l to 5.0 mg/l
		Acidity as CaCO <sub>3</sub>	APHA (22 <sup>nd</sup> Edition) (2310B)/ IS 3025 (Part 22)	5 mg/l to 500 mg/l
		Carbonate Alkalinity as CaCO <sub>3</sub>	APHA (22 <sup>nd</sup> Edition): 2012(2320 A & B)/ IS 3025 (Part 51): 2001	0 mg/l to 1000 mg/l
		Bi Carbonate Alkalinity as CaCO <sub>3</sub>	APHA (22 <sup>nd</sup> Edition): 2012(2320 B)/ IS 3025 (Part 51): 2001	5 mg/l to 1000 mg/l
		Hydroxide Alkalinity	APHA (22 <sup>nd</sup> Edition) 2320 B: 2012	0 mg/l to 1000 mg/l

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	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Temperature	APHA (22 <sup>nd</sup> Edition) 2550B: 2012	10 °C to 50 °C
		Salinity	APHA (22 <sup>nd</sup> Edition) 2520B: 2012	0.1 to 70
		Phenolphthalein Alkalinity	APHA (22 <sup>nd</sup> Edition) 2320B: 2012/ IS 3025 (Part 23): 1986 (RA 1998)	5 mg/l to 200 mg/l
		Methyl Orange Alkalinity	APHA (22 <sup>nd</sup> Edition) 2320B: 2012/ IS 3025 (Part 23): 1986 (RA 1998)	5 mg/l to 1000 mg/l
		Cyanide	IS 3025 (Part 27): 1986 / APHA (22 <sup>nd</sup> Edition) 4500-CNC,E & F: 2012	0.02 mg/l to 5.0 mg/l
		Lead	IS 3025 (Part 47): 1994/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 10.0 mg/l
		Chromium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)/ IS 3025 (Part 52): 2003	0.02 mg/l to 10.0 mg/l
		Nickel	IS 3025 (Part 54): 2003/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.01 mg/l to 10.0 mg/l
	Antimony	IS 13428: 1998 Annexure G/ APHA (22 <sup>nd</sup> Edition) 3120 B: 2012 (by ICP-OES)	0.002 mg/l to 5.0 mg/l	

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	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Odour	IS 3025 (Part 5): 1983 (RA 2005)	Qualitative (Objectionable/Unobjectionable)
		Taste	IS 3025 (Part 7): 1984 (RA 2005)	Qualitative (Agreeable/Disagreeable)
		Sulphide	IS 3025 (Part 29): 1986 (RA 2005) / APHA (22 <sup>nd</sup> Edition) 4500 SD: 2012	0.05 mg/l to 0.5 mg/l
		Electrical Conductivity	IS 3025 (Part 14): 1984/ APHA (22 <sup>nd</sup> Edition) 2510 B: 2012	5 µs/cm to 10000 µs/cm
		Ammonia	IS 3025 (Part 34): 1988/ APHA (22 <sup>nd</sup> Edition) 4500-NH <sub>3</sub> -B&C: 2012	0.10 mg/l to 100.0 mg/l
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21): 1983/ APHA (22 <sup>nd</sup> Edition) 2340 C: 2012	1.0 mg/l to 1000 mg/l
		Borate	IS 13428: 1998 Annexure H/ IS 3025 (Part 57): 2005 (By ICPOES)	0.05 mg/l to 5.0 mg/l
		Hexavalent Chromium	IS 3025: 1964/ APHA (22 <sup>nd</sup> Edition) Method. 3500 Cr B: 2012 38	0.01 mg/l to 100 mg/l
		Total Solid	IS 3025 (Part 15): 1984 (RA 1998) / APHA (22 <sup>nd</sup> Edition) Method. 2540B: 2012	10 mg/l to 1000 mg/l

**Iti Saxena  
Convenor**

**N. Venkateswaran  
Program Manager**

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	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Potassium	IS 3025 (Part 45 1993/ APHA (22 <sup>nd</sup> Edition) 3120-B: 2012 (by ICP-OES)	0.1 mg/l to 1000 mg/l
		Total Suspended Solids	IS 3025 (Part 17): 1984/ APHA (22 <sup>nd</sup> Edition) 2540 D: 2012	2.0 mg/l to 1000 mg/l
		Residual Sodium Carbonate	IS 11624: 1986	0.1 me/l to 10 me/l
		Sodium Absorption Ratio	IS 11624: 1986	0.1 to 10
		Thiocyanate	APHA (22 <sup>nd</sup> Edition) 4500 CN-M: 2012	0.1 mg/l to 20 mg/l
		Oxygen absorbed in 4 hours	IS 3025 (Part 63): 2007	1 mg/l to 10 mg/l
		Colour retention time of KMnO <sub>4</sub>	IS 1070: 1992 (RA 2003) Annexure A	1 min to 60 min
		Hydroxyl (OH <sup>-</sup> )	APHA (22 <sup>nd</sup> Edition) 4500-H <sup>+</sup> : 2012	1 moles/l to 0.000002 moles/l
		BOD (5Days)	APHA (22 <sup>nd</sup> Edition) 5210-B: 2012	2 mg/l to 100 mg/l
		Sulphite ( asSO <sub>3</sub> )	APHA (22 <sup>nd</sup> Edition) 4500-SO <sub>3</sub> -B: 2012	2 mg/l to 50 mg/l
	Molybdenun as Mo	IS 3025 (Part 2): 2004	0.01mg/l to 100 mg/l	

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Polynuclear Aromatic Hydrocarbon	SO-IN-MUL-TE-023 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k)fluoranthene		
		Benzo(a)pyrene		
		Indeno(1,2,3-cd)pyrene		
		Dibenzo(a,h)anthracene		

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	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	Benzo(ghi)perylene	SO-IN-MUL-TE-022 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Poly Chlorinated Biphenyl		
		2-Chlorobiphenyl (PCB-1)		
		2,3-Dichlorobiphenyl (PCB-5)		
		2,4,5- Trichlorobiphenyl (PCB-29)		
		2,2',4,4'- Tetra chlorobiphenyl (PCB-47)		
		2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)		
		2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)		
		2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)		
		2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)		
		2,4,4'-Trichlorobiphenyl (PCB-28)		
		2,2',5,5'-Tetrachlorobiphenyl (PCB-52)		
		2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)		

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	2,3',4,4',5-Pentachlorobiphenyl (PCB-118)	SO-IN-MUL-TE-023 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)		
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'- Heptachlorobiphenyl (PCB-180)		
		Pesticide Residues		
		Alpha-HCH		
		Beta-HCH		
		Gamma-HCH (Lindane)		
		Delta-HCH		
		Methyl parathion		
		Alachlor		
		Malathion		
		Chlorpyrifos		
		Phorate Sulfone		
		Aldrin		
		Parathion		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water (Raw Water, Bore Well Water, Tube Well Water, Treated Water, Process Water, DM Water, Swimming Pool Water &amp; Surface Water)</b>	op'-DDE	SO-IN-MUL-TE-023 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Endosulfan-I		
		pp'-DDE		
		Dieldrin		
		op'-DDD		
		Endosulfan-II		
		pp'-DDD		
		op'-DDT		
		Ethion		
		Endosulfan Sulfate		
	pp'-DDT			
<b>2.</b>	<b>Drinking Water</b>	Colour	IS 3025 (Part 4): 1983 (RA 2005)	1 to Above 50 HU
		Turbidity	IS 3025 (Part 10): 1984 (RA 2005)	0.5 NTU to 100 NTU
		Total Dissolved Solid	IS 3025 (Part 16): 1984 (RA 2005)	10 mg/l to 2500 mg/l
		pH	IS 3025 (Part 11): 1983 (RA 2005)	1.0 to 14
		Barium	IS 13428 Annexure F	0.01 mg/l to 10 mg/l

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	Copper	IS 3025 (Part 42): 1992	0.01 mg/l to 50 mg/l
		Iron	IS 3025 (Part 53): 2003	0.02 mg/l to 50 mg/l
		Manganese	IS 3025 (Part 59): 2006	0.01 mg/l to 10 mg/l
		Nitrate	IS 3025 (Part 34) : 1988 (RA 2005) (cadmium reduction)	0.1 mg/l to 40 mg/l
		Fluoride	IS 3025 (Part 60): 2008	0.1 mg/l to 10 mg/l
		Zinc	IS 3025 (Part 49): 1994	0.01 mg/l to 10 mg/l
		Silver	IS 13428: 1998 Annexure J	0.01 mg/l to 1.0 mg/l
		Aluminium	IS 3025 (Part 55): 2003	0.03 mg/l to 10 mg/l
		Chloride	IS 3025 (Part 32): 1988	2 mg/l to 1000 mg/l
		Selenium	IS 3025 (Part 56)	0.005 mg/l to 5.0 mg/l
		Sulphate	IS 3025 (Part 24): 1986	2 mg/l to 100 mg/l
		Alkalinity (As CaCO <sub>3</sub> )	IS 3025 (Part 23): 1986	5 mg/l to 500 mg/l
		Calcium	IS 3025 (Part 40): 1991 (RA 2005)	1.0 mg/l to 500 mg/l
		Magnesium	IS 3025 (Part 46): 1994	0.1 mg/l to 200 mg/l
		Residual Free Chlorine	IS 3025 (Part 26): 1986 (RA 2005) / SO-IN-MUL-TE-019 (Issue. 1.1, Dated. 04.05.2015)	0.1 mg/l to 10 mg/l

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	Phenolic Compound	IS 3025 (Part 43): 1992 (RA 2005)	0.001 mg/l to 1.0 mg/l
		Mineral Oil	IS 3025 (Part 39): 1981	0.01 % to 0.1 mg/l
		Anionic detergents	IS 13428: 1998 Annexure K	0.05 mg/l to 0.5 mg/l
		Mercury	IS 3025 (Part 48): 1994	0.001 mg/l to 5.0 mg/l
		Cadmium	IS 3025 (Part 41): 1992	0.01 mg/l to 5.0 mg/l
		Arsenic	IS 3025 (Part 37): 1988	0.005 mg/l to 5.0 mg/l
		Cyanide	IS 3025 (Part 27): 1986	0.02 – 5.0 mg/l
		Lead	IS 3025 (Part 47): 1994	0.01 mg/l to 10.0 mg/l
		Nickel	IS 3025 (Part 54): 2003	0.01 mg/l to 10.0 mg/l
		Odour	IS 3025 (Part 5): 1983 (RA 2005)	Qualitative (Objectionable/ Unobjectionable)
		Taste	IS 3025 (Part 7): 1984 (RA 2005)	Qualitative (Agreeable/ Disagreeable)
		Sulphide	IS 3025 (Part 29): 1986 (RA 2005)	0.05 mg/l to 0.5 mg/l
		Ammonia	IS 3025 (Part 34): 1988	0.10 mg/l to 100.0 mg/l
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21): 1983	1.0 mg/l to 1000 mg/l
		Borate/Boron	IS 3025 (Part 57): 2005	0.05 mg/l to 5.0 mg/l

**Iti Saxena  
Convenor**

**N. Venkateswaran  
Program Manager**

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	Chromium	IS 3025 (Part 52): 2003	0.02 mg/l to 10.0 mg/l
		Molybdenun as Mo	IS 3025 (Part 2): 2004	0.02 mg/l to 100 mg/l
		Polynuclear Aromatic Hydrocarbon	SO-IN-MUL-TE-023 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k)fluoranthene		
		Benzo(a)pyrene		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	Indeno(1,2,3-cd)pyrene	SO-IN-MUL-TE-022 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Dibenzo(a,h)anthracene		
		Benzo(ghi)perylene		
		Poly Chlorinated Biphenyl		
		2-Chlorobiphenyl (PCB-1)		
		2,3-Dichlorobiphenyl (PCB-5)		
		2,4,5- Trichlorobiphenyl (PCB-29)		
		2,2',4,4'- Tetra chlorobiphenyl (PCB-47)		
		2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)		
		2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)		
		2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)		
		2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)		
		2,4,4'-Trichlorobiphenyl (PCB-28)		
		2,2',5,5'-Tetrachlorobiphenyl (PCB-52)		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Drinking Water</b>	2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)	SO-IN-MUL-TE-022 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		2,3',4,4',5-Pentachlorobiphenyl (PCB-118)		
		2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)		
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'- Heptachlorobiphenyl (PCB-180)		
		Pesticide Residues		
		Alpha-HCH		
		Beta-HCH		
		Gamma-HCH (Lindane)		
		Delta-HCH		
		Methyl parathion		
		Alachlor		
		Malathion		
		Chlorpyrifos		
		Phorate Sulfone		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	Aldrin	SO-IN-MUL-TE-022 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Parathion		
		op'-DDE		
		Endosulfan-I		
		pp'-DDE		
		Dieldrin		
		op'-DDD		
		Endosulfan-II		
		pp'-DDD		
		op'-DDT		
		Ethion		
		Endosulfan Sulfate		
		pp'-DDT		
		Volatile Organic Carbon (VOC)	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		Dichlorodifluoromethane		
		Chloromethane		
		Vinyl Chloride		
		Bromomethane		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Iodomethane Dichloromethane Carbondisulfide Trans-1,2-Dichloroethene 1,1-Dichloroethane Cis-1,2-Dichloroethene Bromochloromethane Chloroform 2,2-Dichloropropane 1,2-Dichloroethane 1,1,1-Trichloroethane 1,1-Dichloropropene Carbontetrachloride Benzene Dibromomethane	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Drinking Water</b>	1,2-Dichloropropane Trichloroethene Bromodichloromethane Cis-1,3-Dichloropropene MIBK Toluene Ethylbenzene m/p Xylene O-Xylene Trans-1,3-Dichloropropene 1,1,2-Trichloroethane 1,3-Dichloropropane Dibromochloromethane 2-Hexanone 1,2-Dibromoethane Tetrachloroethene 1,1,1,2-Tetrachloroethane Chlorobenzene	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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	<b>Drinking Water</b>	Bromoform	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		Cis-1,4-dichloro-2-butene		
		Styrene		
		1,1,2,2-Tetrachloroethane		
		1,2,3-Trichloropropane		
		Trans-1,4-dichloro-2-butene		
		Isopropyl benzene		
		Bromobenzene		
		n-Propylbenzene		
		2-Chlorotoluene		
		4-Chlorotoluene		
		1,3,5-Trimethylbenzene		
		1,2,4-Trimethylbenzene		
		Pentachloroethane		
		tert-Butylbenzene		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Drinking Water</b>	Sec-Butylbenzene	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		1,3-Dichlorobenzene		
		1,4-Dichlorobenzene		
		1,2-Dichlorobenzene		
		p-Isopropyl toluene		
		n-Butylbenzene		
		1,2-Dibromo-3-chloropr...		
		1,2,4-Trichlorobenzene		
		Napthalene		
		Hexachlorobutadiene		
		1,2,3-Trichlorobenzene		
		Allylchloride		
		Acetone		
		MEK		
		Total Petroleum hydrocarbon		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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3.	<b>Water for Processed Food Industry as per IS 4251: 1967 (RA1992)</b>	Colour	IS 3025 (Part 4): 1983 (RA 2005)	1 to Above 50 HU
		Turbidity	IS 3025 (Part 10): 1984 (RA 2005)	0.5 NTU to 100 NTU
		Total Dissolved Solid	IS 3025 (Part 16): 1984 (RA 2005)	10 mg/l to 2500 mg/l
		pH	IS 3025 (Part 11): 1983 (RA 2005)	1.0 to 14
		Copper	IS 3025 (Part 42): 1992	0.01 mg/l to 50 mg/l
		Iron	IS 3025 (Part 53): 2003	0.02 mg/l to 50 mg/l
		Manganese	IS 3025 (Part 59): 2006	0.01 mg/l to 10 mg/l
		Nitrate	IS 3025 (Part 34): 1988 (RA 2005) (Cadmium Reduction)	0.1 mg/l to 40 mg/l
		Fluoride	IS 3025 (Part 60): 2008	0.1 mg/l to 10 mg/l
		Zinc	IS 3025 (Part 49): 1994	0.01 mg/l to 10 mg/l
		Chloride	IS 3025 (Part 32): 1988	2 mg/l to 1000 mg/l
		Selenium	IS 3025 (Part 56)	0.005 mg/l to 5.0 mg/l
Sulphate	IS 3025 (Part 24): 1986	2 mg/l to 100 mg/l		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Water for Processed Food Industry as per IS 4251: 1967 (RA1992)</b>	Alkalinity (As CaCO <sub>3</sub> )	IS 3025 (Part 23): 1986	5 mg/l to 500 mg/l
		Calcium	IS 3025 (Part 40): 1991 (RA 2005)	1.0 mg/l to 500 mg/l
		Magnesium	IS 3025 (Part 46): 1994	0.1 mg/l to 200 mg/l
		Phenolic Substance	IS 3025 (Part 43): 1992 (RA 2005)	0.001 mg/l to 1.0 mg/l
		Mercury	IS 3025 (Part 48): 1994	0.001 mg/l to 5.0 mg/l
		Cadmium	IS 3025 (Part 41): 1992	0.01 mg/l to 5.0 mg/l
		Arsenic	IS 3025 (Part 37): 1988	0.005 mg/l to 5.0 mg/l
		Cyanide	IS 3025 (Part 27): 1986	0.02 mg/l to 5.0 mg/l
		Lead	IS 3025 (Part 47): 1994	0.01 mg/l to 10.0 mg/l
		Odour	IS 3025 (Part 5): 1983 (RA 2005)	None
		Taste	IS 3025 (Part 7): 1984 (RA 2005)	Qualitative (Agreeable/ Disagreeable)
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21): 1983	1.0 mg/l to 1000 mg/l
		Hexavalent Chromium	IS 3025: 1964 38	0.01 mg/l to 100 mg/l
	Total Solid	IS 3025 (Part 15): 1984 (RA 1998)	10 mg/l to 1000 mg/l	

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
4.	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Colour	IS 3025 (Part 4): 1983 (RA 2005)	1 to Above 10 HU
		Turbidity	IS 3025 (Part 10): 1984 (RA 2005)	0.02 NTU to 10 NTU
		Total Dissolved Solid	IS 3025 (Part 16): 1984 (RA 2005)	10 mg/l to 1000 mg/l
		pH	IS 3025 (Part 11): 1983 (RA 2005)	4.5 to 8.5
		Barium	IS 13428 Annexure F	0.01 mg/l to 1 mg/l
		Copper	IS 3025 (Part 42): 1992	0.01 mg/l to 2 mg/l
		Iron	IS 3025 (Part 53): 2003	0.02 mg/l to 2 mg/l
		Manganese	IS 3025 (Part 59): 2006	0.01 mg/l to 1 mg/l
		Nitrate	IS 3025 (Part 34): 1988 (RA 2005) (Cadmium Reduction)	0.1 mg/l to 45 mg/l
		Nitrite	IS 3025 (Part 34): 1988 (Colorimetric) (RA 2005)	0.01 mg/l to 1 mg/l
		Fluoride	IS 3025 (Part 60): 2008	0.1 mg/l to 2.0 mg/l
		Zinc	IS 3025 (Part 49): 1994	0.01 mg/l to 5 mg/l
		Silver	IS 13428: 1998 Annexure J	0.005 mg/l to 0.5 mg/l
Aluminium	IS 3025 (Part 55): 2003	0.02 mg/l to 0.5 mg/l		

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<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Chloride	IS 3025 (Part 32): 1988	2 mg/l to 500 mg/l
		Selenium	IS 3025 (Part 56)	0.005 mg/l to 0.5 mg/l
		Sulphate	IS 3025 (Part 24): 1986	2 mg/l to 200 mg/l
		Alkalinity (HCO <sub>3</sub> )	IS 3025 (Part 23): 1986	5 mg/l to 250 mg/l
		Calcium	IS 3025 (Part 40): 1991 (RA 2005)	1.0 mg/l to 250 mg/l
		Magnesium	IS 3025 (Part 46): 1994	0.1 mg/l to 100 mg/l
		Sodium	IS 3025 (Part 45): 1993	0.1 mg/l to 200 mg/l
		Residual Free Chlorine	IS 3025 (Part 26): 1986 (RA 2005)	0.1 mg/l to 1.0 mg/l
		Phenolic Compound	IS 3025 (Part 43): 1992 (RA 2005)	(0.001 mg/l to 0.5 mg/l) / Absent
		Mineral Oil	IS 3025 (Part 39): 1981	(0.01 % to 0.1 mg/l) / Absent
		Anionic Surface Active Agent	IS 13428: 1998 Annexure K	0.05 mg/l to 0.2 mg/l
		Mercury	IS 3025 (Part 48): 1994	0.001 mg/l to 0.01 mg/l
		Cadmium	IS 3025 (Part 41): 1992	0.005 mg/l to 0.5 mg/l
	Arsenic	IS 3025 (Part 37): 1988	0.005 mg/l to 5.0 mg/l	

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Cyanide	IS 3025 (Part 27): 1986	(0.02 mg/l to 1.0 mg/l) / Absent
		Lead	IS 3025 (Part 47): 1994	0.005 mg/l to 1.0 mg/l
		Chromium	IS 3025 (Part 52): 2003/ IS 13428 / IS 3025 (Part 52): 2003 Annexure J	0.01 mg/l to 1.0 mg/l
		Nickel	IS 3025 (Part 54): 2003/ IS 13428 / IS 3025 (Part 54): 2003 Annexure L	0.01 mg/l to 1.0 mg/l
		Antimony	IS 13428: 1998 Annexure G	0.002 mg/l to 0.5 mg/l
		Odour	IS 3025 (Part 5): 1983 (RA 2005)	Qualitative (Objectionable/ Unobjectionable)/
		Taste	IS 3025 (Part 8): 1984 (RA 2005) / IS 3025 (Part 7): 1984 (RA 2005)	Qualitative (Agreeable/ Disagreeable) Action Tendency Scale 'a'or'b'or'c' etc.
		Sulphide	IS 3025 (Part 29): 1986 (RA 2005)	(0.05 mg/l to 0.5 mg/l) / Absent
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21): 1983	1.0 mg/l to 1000 mg/l
	Borate	IS 13428: 1998 Annexure H/ IS 3025 (Part 57): 2005	0.05 mg/l to 5.0 mg/l	

**Iti Saxena  
Convenor**

**N. Venkateswaran  
Program Manager**

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<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Polynuclear Aromatic Hydrocarbon	APHA 6440/ SO-IN-MUL-TE- 023 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k)fluoranthene		
	Benzo(a)pyrene			
	Indeno(1,2,3-cd)pyrene			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/</b>	Dibenzo(a,h)anthracene	APHA 6440/ SO-IN-MUL-TE-023 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
	<b>Packaged Natural Mineral Water as per IS 13428: 2005</b>	Benzo(ghi)perylene		
		Poly Chlorinated Biphenyl	IS 13428 Annexure M / SO-IN-MUL-TE-022 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		2-Chlorobiphenyl (PCB-1)		
		2,3-Dichlorobiphenyl (PCB-5)		
		2,4,5- Trichlorobiphenyl (PCB-29)		
		2,2',4,4'- Tetra chlorobiphenyl (PCB-47)		
		2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)		
		2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)		
		2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)		
		2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)		
		2,4,4'-Trichlorobiphenyl (PCB-28)		

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	2,2',5,5'-Tetrachlorobiphenyl (PCB-52)	IS 13428 Annexure M / SO-IN-MUL-TE-022 (Issue. 1.2, Dated. 04.05.2015)	0.00005 mg/l to 1.00 mg/l
		2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)		
		2,3',4,4',5-Pentachlorobiphenyl (PCB-118)		
		2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)		
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB-180)		
	Pesticide Residues			
	Alpha-HCH		SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
	Beta-HCH		SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508/	0.01 µg/l to 100.00 µg/l
	Gamma-HCH (Lindane)		SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l

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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Delta-HCH	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100. 00 µg/l
		Methyl parathion	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015) /ISO 10695/ USEPA 8141A	0.01 µg/l to 100. 00 µg/l
		Alachlor	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ USEPA 525.2,507	0.01 µg/l to 100. 00 µg/l
		Malathion	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ USEPA 8141A	0.01 µg/l to 100. 00 µg/l
		Chlorpyrifos	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ USEPA 525.2,8141A	0.01 µg/l to 100. 00 µg/l
		Phorate Sulfone	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ USEPA 8141A	0.01 µg/l to 100. 00 µg/l
		Aldrin	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06)/ USEPA 525.2	0.01 µg/l to 100. 00 µg/l
		op'-DDE	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100. 00 µg/l

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Endosulfan-I	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		pp'-DDE	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		Dieldrin	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 525.2	0.01 µg/l to 100.00 µg/l
		op'-DDD	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		Endosulfan-II	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		pp'-DDD	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		op'-DDT	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l

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	<b>Packaged Drinking Water as per IS 14543: 2004/</b>	Ethion	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ USEPA 1657A	0.01 µg/l to 100.00 µg/l
	<b>Packaged Natural Mineral Water as per IS 13428: 2005</b>	Endosulfan Sulfate	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		pp'-DDT	SO-IN-MUL-TE-020 (Issue. 1.2, Dated. 04.05.2015)/ AOAC (18 <sup>th</sup> Edition) Method. 990.06/ USEPA 508	0.01 µg/l to 100.00 µg/l
		Monocrotophos	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 8141A	0.01 µg/l to 100.00 µg/l
		Phorate	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 8141A	0.01 µg/l to 100.00 µg/l
		Phorate Sulphoxide	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 8141A	0.01 µg/l to 100.00 µg/l
		2,4 – D	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 515.1	0.01 µg/l to 100.00 µg/l
		Butachlor	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 525.2,8141A	0.01 µg/l to 100.00 µg/l

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	<b>Packaged Drinking Water as per IS 14543: 2004/ Packaged Natural Mineral Water as per IS 13428: 2005</b>	Isoproturon	SO-IN-MUL-TE-090 (Issue. 1.1, Dated. 04.05.2015)/ SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015) /USEPA 532	0.01 µg/l to 100.00 µg/l
		Atrazine	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 525.2,8141A	0.01 µg/l to 100.00 µg/l
		Methyl Paraoxon	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015) /ISO 10695/ USEPA 8141A	0.01 µg/l to 100.00 µg/l
		Malaaxon	SO-IN-MUL-TE-092 (Issue. 1.1, Dated. 04.05.2015)/ USEPA 8141A	0.01 µg/l to 100.00 µg/l
<b>III. POLLUTION &amp; ENVIRONMENT</b>				
<b>1.</b>	<b>Liquid Effluent &amp; Waste Water</b>	Dissolved solids	APHA (22 <sup>nd</sup> Edition) 2540C: 2012 / IS 3025 (Part 16)	10 mg/l to 1000 mg/l
		pH	APHA (22 <sup>nd</sup> Edition) 4500 H/B: 2012	4 to 10
		Oil & Grease	APHA (22 <sup>nd</sup> Edition) 5520B: 2012/	2.0 mg/l to 200 mg/l
		BOD	IS 3025 (Part 44): 1993	2.0 mg/l to 10000 mg/l
		COD	APHA (22 <sup>nd</sup> Edition) 5220-B: 2012	5.0 mg/l to 10000 mg/l

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	<b>Liquid Effluent &amp; Waste Water</b>	DO	APHA (22 <sup>nd</sup> Edition) 4500-O-C: 2012	1.0 mg/l to 30 mg/l
		Fluoride	APHA (22 <sup>nd</sup> Edition) 4500-F-C/D: 2012	0.1 mg/l to 10 mg/l
		Sulphate	APHA (22 <sup>nd</sup> Edition) 4500 SO <sub>4</sub> E: 2012	2.0 mg/l to 100 mg/l
		Cyanide	APHA (22 <sup>nd</sup> Edition) 4500-CN-C &E/F: 2012	0.02 mg/l to 5.0 mg/l
		Phosphorous	IS 3025 (Part 31): 1988 (RA 2005) / APHA (22 <sup>nd</sup> Edition) 4500 P-D: 2012	0.05 mg/l to 20 mg/l
		Anionic surface active agent	APHA (22 <sup>nd</sup> Edition) 5540 B&C: 2012	0.05 mg/l to 0.5 mg/l
		Nitrate	APHA (22 <sup>nd</sup> Edition) 4500-NO <sub>3</sub> E: 2012/ APHA (22 <sup>nd</sup> Edition) 4500-NO <sub>3</sub> B: 2012/ IS 3025 (Part 34) (RA 2005)	0.5 mg/l to 10 mg/l
		Arsenic	APHA (22 <sup>nd</sup> Edition) 3120B: 2012	0.005 mg/l to 5 mg/l
		Borate	IS 13428: 1998 Annexure H /APHA (22 <sup>nd</sup> Edition) 3120-B: 2012/ IS 3025 (Part 57): 2005	0.05 mg/l to 10 mg/l

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	<b>Liquid Effluent &amp; Waste Water</b>	Barium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Cadmium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.005 mg/l to 5 mg/l
		Chromium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Copper	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 50 mg/l
		Iron	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.02 mg/l to 50 mg/l
		Manganese	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Mercury	APHA (22 <sup>nd</sup> Edition) 3112 B: 2012 (by ICP-OES)	0.01 mg/l to 5 mg/l
		Lead	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 5 mg/l
		Nickel	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Selenium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 5 mg/l
		Antimony	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.1 mg/l to 5 mg/l

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	<b>Liquid Effluent &amp; Waste Water</b>	Silver	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.005 mg/l to 1.0 mg/l
		Sodium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	1.0 mg/l to 500 mg/l
		Potassium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	1.0 mg/l to 500 mg/l
		Zinc	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.1 mg/l to 10 mg/l
		Vanadium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Molybdenum	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Beryllium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.01 mg/l to 10 mg/l
		Strontium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.02 mg/l to 10 mg/l
		Silicon	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.05 mg/l to 10 mg/l
		Calcium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	1 mg/l to 200 mg/l
		Magnesium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	1 mg/l to 200 mg/l

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	<b>Liquid Effluent &amp; Waste Water</b>	Total Suspended Solids	IS 3025 (Part 17): 1984/ APHA (22 <sup>nd</sup> Edition) 2540 D: 2012	2 mg/l to 10000 mg/l
		Kjeldhal Nitrogen	IS 3025 (Part 34): 1988/ APHA (22 <sup>nd</sup> Edition) 4500 N <sub>org</sub> - A & B: 2012	1 mg/l to 100 mg/l
		Residual Sodium Carbonate	IS 11624: 1986	0.1 me/l to 5 me/l
		Sodium Absorption Ratio	IS 11624: 1986	0.1 to 10
		Hydrazine	ASTM D 1385-01	0.01 mg/l 10 mg/l
		Nitrite	APHA (22 <sup>nd</sup> Edition) 4500- NO <sub>2</sub> B: 2012/ IS 3025 (Part 34) (RA 2005)	0.02 mg/l to 10 mg/l
		Alkalinity (as CaCO <sub>3</sub> )	APHA (22 <sup>nd</sup> Edition) 2320-B: 2012	10 mg/l to 500 mg/l
		Turbidity	APHA (22 <sup>nd</sup> Edition) 2130-B: 2012	0.5 NTU to 100 NTU
		Colour	APHA (22 <sup>nd</sup> Edition) 2120-B & C: 2012	1 HU to 50 HU
		Acidity as CaCO <sub>3</sub>	APHA (22 <sup>nd</sup> Edition) 2310B: 2012/IS 3025 (Part 22)	5 mg/l to 200 mg/l
	Carbonate Alkalinity as CaCO <sub>3</sub>	APHA (22 <sup>nd</sup> Edition) 2320 A & B: 2012/ IS 3025 (Part 51): 2001	5 mg/l to 500 mg/l	

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	<b>Liquid Effluent &amp; Waste Water</b>	Bi Carbonate Alakalinity as CaCO <sub>3</sub>	APHA (22 <sup>nd</sup> Edition) 2320 B: 2012/IS 3025 (Part 51): 2001	5 mg/l to 500 mg/l
		Hydroxide Alakalinity	APHA (22 <sup>nd</sup> Edition) 2320 B: 2012	5 mg/l to 500 mg/l
		Temperature	APHA (22 <sup>nd</sup> Edition) 2550B: 2012	10 °C to 200 °C
		Salinity	APHA (22 <sup>nd</sup> Edition) 2550B: 2012	0.1 to 70
		Phenolphthalein Alakalinity	APHA (22 <sup>nd</sup> Edition) 2320B: 2012/ IS 3025 (Part 23): 1986 (RA 1998)	5 mg/l to 200 mg/l
		Methyl Orange Alakalinity	APHA (22 <sup>nd</sup> Edition) 2320B: 2012/ IS 3025 (Part 23): 1986 (RA 1998)	5 mg/l to 1000 mg/l
		Bio-Assay	IS 6582 (Part 2): 2001	NA
		MLSS	APHA (22 <sup>nd</sup> Edition) 2540D: 2012	10 mg/l to 25000 mg/l
		MLVSS	APHA (22 <sup>nd</sup> Edition) 2540E: 2012	10 mg/l to 20000 mg/l
		Aluminium	APHA (22 <sup>nd</sup> Edition) 3120 B: 2012	0.1 mg/l to 10 mg/l
	Settleable Solids	APHA (22 <sup>nd</sup> Edition) 2540F: 2012	0.1 ml/l to 1.0 ml/l	

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	<b>Liquid Effluent &amp; Waste Water</b>	Thiocyanate	APHA (22 <sup>nd</sup> Edition) 4500 CN-M: 2012	0.1 mg/l to 2.0 mg/l
		Oxygen absorbed in 4 hours	IS 3025 (Part 63): 2007	1 mg/l to 10 mg/l
		BOD (5Days)	APHA (22 <sup>nd</sup> Edition) 5210-B: 2012	2 mg/l to 100000 mg/l
		Sulphite (as SO <sub>3</sub> )	APHA (22 <sup>nd</sup> Edition) 4500-SO <sub>3</sub> -B: 2012	2 mg/l to 20 mg/l
		Polynuclear Aromatic Hydrocarbon	USEPA 625 & USEPA 8270C: 1996	0.002 mg/l to 10.00 mg/l
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
	Benzo(a)anthracene			
	Chrysene			

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	<b>Liquid Effluent &amp; Waste Water</b>	Benzo(b)fluoranthene	USEPA 625 & USEPA 8270C: 1996	0.002 mg/l to 10.00 mg/l		
		Benzo(k)fluoranthene				
		Benzo(a)pyrene				
		Indeno(1,2,3-cd)pyrene				
		Dibenzo(a,h)anthracene				
		Benzo(ghi)perylene				
		Poly Chlorinated Biphenyl			USEPA 617 & 8082A: 2000	0.0005 mg/l to 10.00 mg/l
		2-Chlorobiphenyl (PCB-1)				
		2,3-Dichlorobiphenyl (PCB-5)				
		2,4,5- Trichlorobiphenyl (PCB- 29)				
	2,2',4,4'- Tetra chlorobiphenyl (PCB-47)					
	2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)					
	2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)					
	2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)					

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	<b>Liquid Effluent &amp; Waste Water</b>	2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)	USEPA 617 & 8082A: 2000	0.0005 mg/l to 10.00 mg/l
		2,4,4'-Trichlorobiphenyl (PCB-28)		
		2,2',5,5'-Tetrachlorobiphenyl (PCB-52)		
		2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)		
		2,3',4,4',5-Pentachlorobiphenyl (PCB-118)		
		2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)		
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB-180)		
<b>2.</b>	<b>Liquid Effluent &amp; Waste Water, Water</b>	<b>Volatile Organic Carbon (VOC)</b> Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l

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	<b>Liquid Effluent &amp; Waste Water, Water</b>	Chloroethane	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		Trichlorofluoromethane		
		1,1-Dichloroethene		
		Iodomethane		
		Dichloromethane		
		Carbondisulfide		
		Trans-1,2-Dichloroethene		
		1,1-Dichloroethane		
		Cis-1,2-Dichloroethene		
		Bromochloromethane		
		Chloroform		
		2,2-Dichloropropane		
		1,2-Dichloroethane		
		1,1,1-Trichloroethane		
		1,1-Dichloropropene		
		Carbontetrachloride		
	Benzene			
	Dibromomethane			

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	<b>Liquid Effluent &amp; Waste Water, Water</b>	1,2-Dichloropropane	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		Trichloroethene		
		Bromodichloromethane		
		Cis-1,3-Dichloropropene		
		MIBK		
		Toluene		
		Ethylbenzene		
		m/p Xylene		
		O-Xylene		
		Trans-1,3-Dichloropropene		
		1,1,2-Trichloroethane		
		1,3-Dichloropropane		
		Dibromochloromethane		
		2-Hexanone		
		1,2-Dibromoethane		
		Tetrachloroethene		
	1,1,1,2-Tetrachloroethane			
	Chlorobenzene			

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	<b>Liquid Effluent &amp; Waste Water, Water</b>	Bromoform	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		Cis-1,4-dichloro-2-butene		
		Styrene		
		1,1,2,2-Tetrachloroethane		
		1,2,3-Trichloropropane		
		Trans-1,4-dichloro-2-butene		
		Isopropyl benzene		
		Bromobenzene		
		n-Propylbenzene		
		2-Chlorotoluene		
		4-Chlorotoluene		
		1,3,5-Trimethylbenzene		
		1,2,4-Trimethylbenzene		
		Pentachloroethane		
		tert-Butylbenzene		
		Sec-Butylbenzene		
	1,3-Dichlorobenzene			
	1,4-Dichlorobenzene			

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	<b>Liquid Effluent &amp; Waste Water, Water</b>	1,2-Dichlorobenzene	USEPA 8260B, GCMS -Purge & Trap	0.1 µg/l to 100 µg/l
		p-Isopropyl toluene		0.1 µg/l to 100 µg/l
		n-Butylbenzene		0.1 µg/l to 100 µg/l
		1,2-Dibromo-3-chloropr...		0.1 µg/l to 100 µg/l
		1,2,4-Trichlorobenzene		0.1 µg/l to 100 µg/l
		Napthalene		0.1 µg/l to 100 µg/l
		Hexachlorobutadiene		0.1 µg/l to 100 µg/l
		1,2,3-Trichlorobenzene		0.1 µg/l to 100 µg/l
		Allylchloride		10 µg/l to 100 µg/l
		Acetone		10 µg/l to 100 µg/l
		MEK		10 µg/l to 100 µg/l
	Total Petroleum hydrocarbon	USEPA 8270 D	0.5 µg/l to 50 µg/l	
<b>3.</b>	<b>Hazardous Waste: Sludge/Slurry</b>	Lead	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Cadmium	USEPA 3052: 1996	2 mg/kg to 20 mg/kg
		Arsenic	USEPA 3052: 1996	0.5 mg/kg to 5 mg/kg
		Mercury	USEPA 3052: 1996	0.5 mg/kg to 5 mg/kg
		Chromium	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
	Nickel	USEPA 3052: 1996	5 mg/kg to 50 mg/kg	

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	<b>Hazardous Waste: Sludge/Slurry</b>	Cobalt	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Zinc	USEPA 3052: 1996	2 mg/kg to 20 mg/kg
		Barium	USEPA 3052: 1996	10 mg/kg to 100 mg/kg
		Antimony	USEPA 3052: 1996	2 mg/kg to 20 mg/kg
		Vanadium	USEPA 3052: 1996	0 mg/kg to 1000 mg/kg
		Molybdenum	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Beryllium	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Tellurium	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Thallium	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Selenium	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Aluminium	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Silver	USEPA 3052: 1996	1 mg/kg to 20 mg/kg
		Iron	USEPA 3052: 1996	5 mg/kg to 100 mg/kg
		Copper	USEPA 3052: 1996	1 mg/kg to 20 mg/kg
		Manganese	USEPA 3052: 1996	1 mg/kg to 50 mg/kg
		Nitrate as NO3	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	0.5 mg/kg to 100 mg/kg
		Nitrite as NO2	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	0.5 mg/kg to 100 mg/kg

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Hazardous Waste: Sludge/ Slurry</b>	Ammonia as NH <sub>3</sub>	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	0.5 mg/kg to 100 mg/kg
		Polynuclear Aromatic Hydrocarbon	USEPA 3540C: 1996 & USEPA 8270C: 1996	0.50 mg/kg to 10.00 mg/kg
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k)fluoranthene		
	Benzo(a)pyrene			
	Indeno(1,2,3-cd)pyrene			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Hazardous Waste: Sludge/Slurry</b>	Dibenzo(a,h)anthracene	USEPA 3540C: 1996 & USEPA 8270C: 1996	0.50 mg/kg to 10.00 mg/kg
		Benzo(ghi)perylene		
		Poly Chlorinated Biphenyl	USEPA 3540C: 1996 & USEPA 8082A: 2000	0.10 mg/kg to 10.0 mg/kg
		2-Chlorobiphenyl (PCB-1)		
		2,3-Dichlorobiphenyl (PCB-5)		
		2,4,5- Trichlorobiphenyl (PCB-29)		
		2,2',4,4'- Tetra chlorobiphenyl (PCB-47)		
		2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)		
		2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)		
		2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)		
		2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)		
		2,4,4'-Trichlorobiphenyl (PCB-28)		
		2,2',5,5'-Tetrachlorobiphenyl (PCB-52)		
	2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)			

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Hazardous Waste: Sludge/Slurry</b>	2,3',4,4',5-Pentachlorobiphenyl (PCB-118)	USEPA 3540C: 1996 & USEPA 8082A: 2000	0.10 mg/kg to 10.0 mg/kg
		2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)		
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB-180)		
<b>4.</b>	<b>Soil</b>	pH(1:2.5)	IS 2720 (Part 26): 1982	2 to 10
		Moisture/Water Content	IS 2720 (Part 2): 1973	0.5 % to 80 %
		Organic Carbon	IS 2720 (Part 22): 1972	0.1 % to 25 %
		Available Nitrogen	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	20 mg/kg Min.
		Bulk Density	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	0.5 g/ml to 2.0 g/ml.
		Available Nitrogen	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	20 mg/kg to 1000 mg/kg
		Available Phosphorous	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015) /FAOUN	5 mg/kg to 250 mg/kg
		Available Potassium	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Available Calcium	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	Soil	Available Magnesium	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Available Sodium	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Electrical Conductivity(1:2.5)	IS 14767: 2000	5 µmhos/cm <sup>3</sup> to 1000 µmhos/cm <sup>3</sup>
		Lead	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Cadmium	USEPA 3052: 1996	2 mg/kg to 20 mg/kg
		Arsenic	USEPA 3052: 1996	0.5 mg/kg to 5 mg/kg
		Mercury	USEPA 3052: 1996	0.5 mg/kg to 5 mg/kg
		Chromium	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Nickel	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Cobalt	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Zinc	USEPA 3052: 1996	2 mg/kg to 20 mg/kg
		Barium	USEPA 3052: 1996	10 mg/kg to 100 mg/kg
		Antimony	USEPA 3052: 1996	2 mg/kg to 20 mg/kg
		Vanadium	USEPA 3052: 1996	0 mg/kg to 1000 mg/kg
		Molybdenum	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Beryllium	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Tellurium	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	Soil	Thallium	USEPA 3052: 1996	1 mg/kg to 1000 mg/kg
		Selenium	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Aluminium	USEPA 3052: 1996	5 mg/kg to 50 mg/kg
		Silver	USEPA 3052: 1996	1 mg/kg to 20 mg/kg
		Iron	USEPA 3052: 1996	5 mg/kg to 100 mg/kg
		Copper	USEPA 3052: 1996	1 mg/kg to 20 mg/kg
		Manganese	USEPA 3052: 1996	1 mg/kg to 50 mg/kg
		Hexavalent Chromium	USEPA 3060A: 1996	0.5 mg/kg to 500 mg/kg
		Specific Gravity	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	0.5 g/cc to 5.0 g/cc
		Fluoride	USEPA 9214: 1996	0.5 mg/kg to 100 mg/kg
		Sulphate	IS 2720 (Part 27): 1989	20.0 mg/kg to 1000 mg/kg
		Nitrite	USEPA 9216: 1996	0.2 mg/kg to 50 mg/kg
		Cyanide	USEPA 9010C: 1996	0.5 mg/kg to 100 mg/kg
		Salinity	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	0.5 to 50
		Nitrate	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	2.5 mg/kg to 1000 mg/kg
		Cation Exchange Capacity	F.A.O.U.N	(1.0 meq to 100 meq) / 100 g

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	Soil	Texture	F.A.O.U.N	Sand: 1.0 % to 100 % Silt: 1.0 % to 100 % Clay: 1.0 % to 100 %
		Carbonate and Bicarbonate	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Chloride	SO-IN-MUL-TE-105 (Issue. 1.1, Dated. 04.05.2015)	10 mg/kg to 1000 mg/kg
		Polynuclear Aromatic Hydrocarbon	USEPA 3540C: 1996 & USEPA 8270C: 1996	0.50 mg/kg to 10.0 mg/kg
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Soil</b>	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd) pyrene Dibenzo(a,h) anthracene Benzo(ghi)perylene	USEPA 3540C: 1996 & USEPA 8270C: 1996	0.50 mg/kg to 10.0 mg/kg
		Poly Chlorinated Biphenyl 2-Chlorobiphenyl (PCB-1) 2,3-Dichlorobiphenyl (PCB-5) 2,4,5- Trichlorobiphenyl (PCB- 29) 2,2',4,4'- Tetra chlorobiphenyl (PCB-47) 2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)	USEPA 3540C: 1996 & USEPA 8082A: 2000	0.10 mg/kg to 10.0 mg/kg

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Soil</b>	2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)	USEPA 3540C: 1996 & USEPA 8082A: 2000	0.10 mg/kg to 10.0 mg/kg
		2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)		
		2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)		
		PCB 1016 Aroclor		
		PCB 1221 Aroclor		
		PCB 1232 Aroclor		
		PCB 1242 Aroclor		
		PCB 1248 Aroclor		
		PCB 1254 Aroclor		
		PCB 1260 Aroclor		
		2,4,4'-Trichlorobiphenyl (PCB- 28)		
		2,2',5,5'-Tetrachlorobiphenyl (PCB-52)		
		2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)		
		2,3',4,4',5-Pentachlorobiphenyl (PCB-118)		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Soil</b>	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)	USEPA 3540C: 1996 & USEPA 8082A: 2000	0.10 mg/kg to 10.0 mg/kg
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'- Heptachlorobiphenyl (PCB-180)		
		Organochlorine Pesticides	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)
		Alachlor		
		Aldrin		
		Alpha-HCH		
		Beta-HCH		
		Bromopropylate		
		Butachlor		
		Chlorobenzilate		
		cis-Chlordane		
		Delta-HCH		
		Dichloran		
		Dicofol		
		Dieldrin		

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	<b>Soil</b>	Endosulfan Sulfate Endosulfan-I Endosulfan-II Endrin Gamma-HCH (Lindane) Heptachlor epoxide Hexachlorobenzene op'-DDD op'-DDE op'-DDT pp'-DDD pp'-DDE pp'-DDT Heptachlor Methoxychlor Tetradifon trans-Chlordane Organophosphorus Pesticides	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Soil</b>	Acephate Carbofenthion Chlorpyrifos Chlorpyrifos methyl Diazinon Dichlorvos Dimethoate Edifenphos Ethion Fenamiphos Fenitrothion Fenthion Fenthion Sulfoxide Iprobenphos Malaoxon Malathion Methidathion Methyl parathion	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Soil</b>	Monocrotophos Parathion Paraoxon Methyl Phenthoate Phorate Sulfoxide Phosalone Phosphamidon Profenophos Phorate Phorate Sulfone Triazophos Trichlorfon Quinalphos Synthetic Pyrethroid Pesticides Bifenthrin cis-Permethrin Cyfluthrin (Total) Cypermethrin (Total)	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Soil</b>	Deltamethrin EsFenvalerate Fenpropathrin Fenvalerate Lambda-Cyhalothrin tau-Fluvalinate trans-Permethrin Other Pesticides Diphenylamine 2,4-D Acetamaprid Atrazine Buprofezin Carbaryl Carbendazim Carbofuran Carfentrazone-ethyl Chlorobenzilate	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Soil</b>	Clothianidin Dazomet Diafenthiuron Difenoconazole Diflubenzuron Dimethomorph Dinotefuron Diuron Ethiprole Etoxazole Fenarimol Fenazaquin Fenpyroximate Flubendiamide Glyphosate Glufosinate Ammonium Hexaconazole Hexythiazox	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Soil</b>	Imidacloprid	USEPA 3540C: 1996, USEPA 8081A , USEPA 8141A & USEPA 8270C: 1996	0.10 mg/kg to 10.0 mg/kg (each)
		Isoproturon		
		Metalaxyl		
		Methomyl		
		Myclobutanil		
		Paraquat Dichloride		
		Penconazole		
		Propachlor		
		Propargite		
		Propiconazole		
		Pyridaben		
		Pyriproxyfen		
		Simazine		
		Spinosyn A (Spinosad)		
		Spinosyn D (Spinosad)		
		Spiromesifen		
		Tebuconazole		
		Thiacloprid		

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Soil</b>	Thiamethoxam	USEPA 3540C: 1996, USEPA 8081A ,	0.10 mg/kg to 10.0 mg/kg (each)
		Triadimefon	USEPA 8141A & USEPA 8270C: 1996	
		Total Petrollum hydrocarbon	USEPA 8270D	0.2- 20 mg/ Kg
<b>5.</b>	<b>Used Oil/Waste Oil/Transformer Oil/Sludge Oil</b>	Polynuclear Aromatic Hydrocarbon	USEPA 600/4-81-045	0.5mg/ Kg to 10 mg/ Kg
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k)fluoranthene		

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Used Oil/Waste Oil/Transformer Oil/Sludge Oil</b>	Benzo(a)pyrene	USEPA 600/4-81-045	0.50 mg/kg to 10.0 mg/kg (each)
		Indeno(1,2,3-cd)pyrene		
		Dibenzo(a,h)anthracene		
		Benzo(ghi)perylene		
		Poly Chlorinated Biphenyl 2-Chlorobiphenyl (PCB-1)		
		2,3-Dichlorobiphenyl (PCB-5)		
		2,4,5- Trichlorobiphenyl (PCB- 29)		
		2,2',4,4'- Tetra chlorobiphenyl (PCB-47)		
		2,2',3,4',6'-Penta chlorobiphenyl (PCB-98)		
		2,2',4,4',5,6'-Hexa chlorobiphenyl (PCB-154)		
		2,2',3,3',4,4',6-Hepta chlorobiphenyl (PCB-171)		
		2,2',3,3',4,5',6,6'-Octa chlorobiphenyl (PCB: 201)		
		2,4,4'-Trichlorobiphenyl (PCB- 28)		

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Used Oil/Waste Oil/Transformer Oil/Sludge Oil</b>	2,2',5,5'-Tetrachlorobiphenyl (PCB-52)	USEPA 600/4-81-045	0.50 mg/kg to 10.0 mg/kg (each)
		2,2',4,5,5'-Pentachlorobiphenyl (PCB-101)		
		2,3',4,4',5-Pentachlorobiphenyl (PCB-118)		
		2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138)		
		2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153)		
		2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB-180)		
		Sediment % in Sludge Oil	ASTM D 473-07	0.1 % to 10 %
<b>6.</b>	<b>Water &amp; Soil for Residual Analysis</b>	Phenolic Compounds	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l
		2-Chlorophenol		
		2-Methylphenol		
		3- & 4-Methylphenol		
		2-Nitrophenol		
		2,4-Dimethylphenol		
		2,4-Dichlorophenol		
		2,6-Dichlorophenol		

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	4-Chloro-3-Methylphenol 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol Pentachlorophenol Polynuclear Aromatic Hydrocarbons Naphthalene 2-Methylnaphthalene 2-Chloronaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene N-2-Fluorenyl Acetamide Benz(a)anthracene	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	Chrysene	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)
		Benzo(b) & Benzo(k)fluoranthene		
		7.12-Dimethylbenz(a)anthracene		
		Benzo(a)pyrene		
		3-Methylcholanthrene		
		Indeno(1.2.3.cd)pyrene		
		Dibenz(a.h)anthracene		
		Benzo(g.h.i)perylene		
		Phthalate Esters		
		Dimethyl phthalate		
		Diethyl phthalate		
		Di-n-butyl phthalate		
		Butyl benzyl phthalate		
		bis(2-ethylhexyl) phthalate		
		Di-n-octylphthalate		
		Nitrosamines		
		N-Nitrosomethylethylamine		
		N-Nitrosodiethylamine		

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<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	N-Nitrosopyrrolidine N-Nitrosomorpholine N-Nitrosodi-n-propylamine  N-Nitrosopiperidine N-Nitrosodibutylamine N-Nitrosodiphenyl & Diphenylamine Methapyrilene Nitroaromatics and Ketones 2-Picoline Acetophenone Nitrobenzene Isophorone 2,6-Dinitrotoluene 2,4-Dinitrotoluene 1-Naphthylamine 4-Nitroquinoline-N-oxide 5-Nitro-o-toluidine	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	Azobenzene 1.3.5-Trinitrobenzene Phenacetin 4-Aminobiphenyl Pentachloronitrobenzene Pronamide Dimethylaminoazobenzene Chlorobenzilate Haloethers Bis(2-chloroethyl) ether Bis(2-chloroethoxy) methane 4-Chlorophenyl phenyl ether 4-Bromophenyl phenyl ether Chlorinated Hydrocarbons 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.2-Dichlorobenzene Hexachloroethane	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	1.2.4-Trichlorobenzene Hexachloropropylene Hexachlorobutadiene Hexachlorocyclopentadiene Pentachlorobenzene Hexachlorobenzene (HCB) Anilines and Benzidines Aniline 4-Chloroaniline 2-Nitroaniline 3-Nitroaniline Dibenzofuran 4-Nitroaniline Carbazole 3.3'-Dichlorobenzidine Organochlorine Pesticides alpha-BHC beta-BHC	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	gamma-BHC delta-BHC Heptachlor Aldrin Heptachlor epoxide alpha-Endosulfan 4.4'-DDE Dieldrin Endrin beta-Endosulfan 4.4'-DDD Endosulfan sulfate 4.4'-DDT Organophosphorus Pesticides Dichlorvos Dimethoate Diazinon Chlorpyrifos-methyl	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Water &amp; Soil for Residual Analysis</b>	Malathion	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)
		Fenthion		
		Chlorpyrifos		
		Pirimphos-ethyl		
		Chlorfenvinphos		
		Prothiofos		
		Ethion		
		Miscellaneous Compounds		
		1.3.5-Trichlorobenzene		
		1.2.4.5-Tetrachlorobenzene		
		Methanesulfonate methyl		
		Methanesulfonate ethyl		
		cis-Isosafrole		
		trans-Isosafrole		
		Safrole		
		Diallate		
		2.3.4.6-Tetrachlorophenol		
		Poly Chlorinated Biphenyl (PCB)		

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	<b>Water &amp; Soil for Residual Analysis</b>	PCB 28	US EPA 8270 D	Soil: 0.2 mg/kg to 20 mg/kg, Water: 0.5 µg/l to 50 µg/l (each)
		PCB 52		
		PCB 101		
		PCB 118		
		PCB 138		
		PCB 153		
		PCB 180		
<b>IV.</b>	<b>FERTILIZERS</b>			
<b>1.</b>	<b>Fertilisers Single Super Phosphate, Di Ammonium Phosphate, Urea</b>	Moisture	IS 6092 (Part 6): 1985 (RA 2000)/ FCO 1985 (As Amd. Upto November 2013)	0.1 % to 60 %
		Nitrogen	IS 6092 (Part 2): 2004/ FCO 1985 (As Amd. Upto November 2013)	0.05 % to 50 %
		Phosphorus	IS 6092(Part 3): 2004/ FCO 1985 (As Amd. Upto November 2013)	0.05 % to 50 %

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	<b>Fertilisers Single Super Phosphate, Di Ammonium Phosphate, Urea</b>	Potassium	IS 9497: 1980/ AOAC (19 <sup>th</sup> Edition)/ FCO 1985 (As Amd. Upto November 2013)	0.01 % to 100 %
		Sodium	IS 9497: 1980/ AOAC (19 <sup>th</sup> Edition)	0.01 % to 100 %
		Free Phosphoric Acid	IS 6092 (Part 3): 2004	0.1 % to 50 %
<b>V. INDUSTRIAL AND FINE CHEMICALS</b>				
<b>1.</b>	<b>Phenol (Carbolic Acid)</b>	Assay	IS 538: 2002 Annexure D	1 % by Mass to 100 % by Mass
<b>2.</b>	<b>Formaldehyde Solution</b>	Aldehyde Content(as HCHO)	IS 3321: 1973 (RA 2001) Appendix A4	1 % by Mass to 40 % by Mass
<b>3.</b>	<b>Basic Chromium Sulphate</b>	Moisture	IS 6301: 1971 (RA 1996) Appendix A2	0.5 % by Mass to 50.0 % by Mass
		Chromium Content (as Cr2O3)	IS 6301: 1971 (RA 1996) Appendix A4	0.1 % by Mass to 50.0 % by Mass
		Basicity	IS 6301: 1971 (RA 1996) Appendix A4	0.1 % by Mass to 50.0 % by Mass
		pH of the aqueous Soln.	IS 6301: 1971 (RA 1996) Appendix A6	1 to 12
		Free Sulphate (as Na2SO4)	IS 6301: 1971 (RA 1996) Appendix A3	0.1 % by Mass to 50.0 % by Mass

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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Basic Chromium Sulphate</b>	Unreduced Chromium (as Cr6)	IS 6301: 1971 (RA 1996) Appendix A7	Qualitative (Present/Absent)
		Matter Insoluble in Water Content	IS 6301: 1971 (RA 1996) Appendix A5	0.05 % by Mass to 10.0 % by Mass
<b>4.</b>	<b>Ammonium Bi Carbonate for food industry</b>	Ammonium Bi Carbonate	IS 2697: 1976 (RA 1996) Appendix A2	5.0 % by Mass to 100 % by Mass
		Chloride (as Cl )	IS 2697: 1976 (RA 1996) Appendix A3	0.01 % by Mass to 5% by Mass
		Lead ( as Pb)	IS 2697: 1976 (RA 1996) Appendix A7	Qualitative
		Sulphates ( as SO4)	IS 2697: 1976 (RA 1996) Appendix A4	0.01% by Mass to 5% by Mass
<b>5.</b>	<b>Sodium Bicarbonate</b>	Total alkalinity (as NaHCO3)	IS 2124: 2000 (RA 2006) Annexure A	5.0 % by Mass to 100 % by Mass
		PH (1 % aqueous solution)	IS 2124: 2000 (RA 2006) Annexure B	NA
		Chloride (as Cl)	IS 2124: 2000 (RA 2006)	0.01 % by Mass to 5 % by Mass
		Insoluble matter	IS 2124: 2000 (RA 2006) Annexure D	0.01 % by Mass to 5% by Mass
		Sulphates (as SO4)	IS 2124: 2000 (RA 2006) Annexure E2 Method. A	0.01 % by Mass to 5 % by Mass
		Heavy metals(as pb)	IS 2124: 2000 (RA 2006) Annexure G2	Qualitative

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	<b>Sodium Bicarbonate</b>	Arsenic (as As)	IS 2124: 2000 (RA 2006) Annexure H	Qualitative
		Iron ( as Fe)	IS 2124: 2000 (RA 2006) Annexure F	Qualitative
<b>VI. SOAP, DETERGENTS AND TOILETRIES</b>				
<b>1.</b>	<b>Synthetic Detergent</b>	pH of 1 % M/V at 300	IS 4956: 2002 Annexure F	1 to 13
		Active ingredient	IS 4956: 2002 IS 4956: 2002 Annexure C	0.5 % by Mass to 50 % by Mass
		Moisture & volatile matter	IS 4956: 2002 Annexure B	0.5 % by Mass to 50 % by Mass
		Matter Insoluble in water	IS 4956: 2002 Annexure G	0.5 % by Mass to 50 % by Mass
<b>2.</b>	<b>Toilet soap/Soap/ Bathing bar/Antibacterial toilet soap/Tranaparent soap/ Hand sanitizer/ Liquid soap</b>	Active Ingredients	IS 4955: 2001 (RA 2006) Annexure B	5 % by Mass to 75 % by Mass
		Free Caustic Alkali	IS 286: 1978 (RA 1999) Clause. 6	0.1 % to 5 %
		Matter insoluble in alcohol	IS 286: 1978 (RA 1999) Clause. 5	0.01 % to 5.0 %
		Moisture and volatile matter	IS 286: 1978 (RA 1999) Clause. 4	0.1 % to 25 %
		Chloride Content	IS 286: 1978 (RA 1999) Clause. 10	0.01 % to 5.0 %

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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Toilet soap/Soap/ Bathing bar/Antibacterial toilet soap/Tranaparent soap/ Hand sanitizer/ Liquid soap</b>	Matter Insoluble in Water	IS 286: 1978 (RA 1999) Clause. 7	0.01-25.0 %
		Total Alkalinity of Matter Insoluble in Alcohol (Alkaline Salts)	IS 286: 1978 (RA 1999) Clause. 8	0.01 % to 5.0 %
		Combined Alkali and Total Anhydrous Soap	IS 286: 1978 (RA 1999) Clause. 9	0.01 % to 5.0 %
		Chlorides	IS 286: 1978 (RA 1999) Clause. 10	0.01 % to 5.0 %
		Unsaponified and Unsaponifiable Matter	IS 286: 1978 (RA 1999) Clause. 11	0.01 % to 5.0 %
		Unsaponifiable Matter	IS 286: 1978 (RA 1999) Clause. 12	0.01 % to 5.0 %
		Unsaponified Matter	IS 286: 1978 (RA 1999) Clause. 13	0.01 % to 5.0 %
		Total Fatty Matter	IS 286: 1978 (RA 1999) Clause. 15	0.01 % to 85.0 %
		Iodine Value	IS 286: 1978 (RA 1999) Clause. 17	0.10 % to 80.0
		Alkaline Silicates	IS 286: 1978 (RA 1999) Clause. 18	0.01 % to 15.0 %
		Phosphates	IS 286: 1978 (RA 1999) Clause. 20	0.01 % to 5.0 %
		Sulphates	IS 286: 1978 (RA 1999) Clause. 21	0.01 % to 5.0 %

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>28.11.2015</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>VII. TEXTILE (WOVEN &amp; NON WOVEN)</b>				
1.	<b>Jute &amp; Related Products</b>	Un-saponifiable matter of Oil in Jute	IJO Standard 98/01 (Revised 2005)	200 mg/kg to 2000 mg/kg
		Oil Content	BS 3845: 1990	0.1 % to 10 %
<b>VIII. PESTICIDE FORMULATION</b>				
<b>BIOCIDES</b>				
1.	<b>De-Odorizing-cum- Disinfectant Fluid(Grade 1,2,3)</b>	Description	IS 10758: 1983 (RA 2002) Clause. 3.3	Qualitative (Pass/Fail)
		Volatile Matter	IS 10758: 1983 (RA 2002) Clause. 3.2, Appendix A	1 % to 80 %
		Stability After Dilution	IS 10758: 1983 (RA 2002) Clause. 3.3	Qualitative (Pass/Fail)
2.	<b>Disinfectant Fluid, Phenolic Type</b>	Composition & Description	IS 1061: 1997, Clause. 5.1	Qualitative (Pass/Fail)
		Mercury Compound	IS 1061: 1997, Clause. 4.4	Qualitative (Pass/Fail)
		Stability After Dilution	IS 1061: 1997, Clause. 4.2	Qualitative (Pass/Fail)
		Stability on Storage	IS 1061: 1997, Clause. 4.5	Qualitative (Pass/Fail)
<b>IX. ATMOSPHERIC POLLUTION</b>				
1.	<b>Ambient Air Monitoring</b>	Sulfur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001	4 µg/m <sup>3</sup> to 1050 µg/m <sup>3</sup>
		Oxides of Nitrogen (NO <sub>2</sub> / NO <sub>x</sub> )	IS 5182 (Part 6): 2006	4 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Ambient Air Monitoring</b>	Suspended Particulate Matter (SPM)	IS 5182 (Part 4): 1999 (RA 2005)	5 µg/m <sup>3</sup> to 5000 µg/m <sup>3</sup>
		Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part 23): 2006	5 µg/m <sup>3</sup> to 2000 µg/m <sup>3</sup>
		Cyclonic Flow Technique Ammonia	SO-IN-MUL-TE-075 (Issue. 1.1, Dated. 04.05.2015)	20 µg/m <sup>3</sup> to 800 µg/m <sup>3</sup>
		Lead	IS 5182 (Part 22): 2004 by ICP-OES	0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Arsenic	SO-IN-MUL-TE-075 (Issue. 1.1, Dated. 04.05.2015)	0.002 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
		Nickel	SO-IN-MUL-TE-075 (Issue. 1.1, Dated. 04.05.2015)	0.002 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
		PM 2.5	SO-IN-MUL-TE-068 (Issue. 1.1, Dated. 04.05.2015)	2 µg/m <sup>3</sup> to 200 µg/m <sup>3</sup>
		Ozone	SO-IN-MUL-TE-075 (Issue. 1.1, Dated. 04.05.2015)	6 µg/m <sup>3</sup> to 19620 µg/m <sup>3</sup>
		Carbon Monoxide (CO)	EPA 600/P-99/001F	0 mg/m <sup>3</sup> to 57 mg/m <sup>3</sup>
		Benzene	ASTM D 3687: 2007	2 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
		Benzo(a)pyrene	USEPA 8270C: 1996 & TO-13A	0.20 ng/m <sup>3</sup> to 20.0 ng/m <sup>3</sup>
		Fluoride (Gaseous)	IS 5182 (Part 13): 1991	0.01 mg/m <sup>3</sup> to 95 mg/m <sup>3</sup>

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	<b>Ambient Air Monitoring</b>	Hydrogen Sulphide	IS 5182 (Part 7): 1973 (RA 2003)	5 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Chlorine	IS 5182 (Part 19): 1982 (RA 2003)	150 µg/m <sup>3</sup> to 2900 µg/m <sup>3</sup>
		(BTEX) Benzene	IS 5182 (Part 11): 2006/ ASTM D 3687: 2007	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) Toluene	IS 5182 (Part 11): 2006 / ASTM D 3687: 2007	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) Ethyl Benzene	IS 5182 (Part 11): 2006/ ASTM D 3687: 2007	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) p- Xylene	IS 5182 (Part 11): 2006/ ASTM D 3687: 2007	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) m-Xylene	IS 5182 (Part 11): 2006/ ASTM D 3687: 2007	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) o-Xylene	IS 5182 (Part 11): 2006/ ASTM D 3687: 2007	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		Poly nuclear Aromatic Hydrocarbon	USEPA 8270C: 1996 & TO-13A	0.20 ng/m <sup>3</sup> to 20.0 ng/m <sup>3</sup>
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		

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	<b>Ambient Air Monitoring</b>	Phenanthrene	USEPA 8270C: 1996 & TO-13A	0.20 ng/m <sup>3</sup> to 20.0 ng/m <sup>3</sup>
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k) fluoranthene		
		Benzo(a) pyrene		
		Indeno(1,2,3-cd) pyrene		
		Dibenzo(a,h) anthracene		
		Benzo(ghi) perylene		
	<b>Organochlorine Pesticides</b>			
	Alpha-HCH	USEPA TO-10A	0.5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>	
	Beta-HCH			
	Gamma-HCH (Lindane)			

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	Delta-HCH		USEPA TO-10A	0.5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
	Alachlor			
	Aldrin			
	op'-DDE			
	Endosulfan-I			
	pp'-DDE			
	Dieldrin			
	op'-DDD			
	Endosulfan-II			
	op'-DDT			
	Butachlor			
	Atrazine			
	Methyl Paraoxon			
	<b>Organophosphorus Pesticides</b>			
	Methyl parathion		USEPA TO-10A	0.5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
	Malathion			
	Chlorpyrifos			

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		Phorate Sulfone	USEPA TO-10A	0.5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
		Ethion		
		Monocrotophos		
		Phorate		
		Phorate Sulphoxide		
		Malaoxon		
		Others		
		2,4-D		
<b>2.</b>	<b>Stack Gases</b>	Particulate Matter	IS 11255 (Part 1 & 3): 1995	5 mg/Nm <sup>3</sup> to 2000 mg/Nm <sup>3</sup>
		Sulfur Dioxide	IS 11255 (Part 2): 1995	3.4 mg/Nm <sup>3</sup> to 14,250 mg/Nm <sup>3</sup>
		Nitrogen Oxides (NOx)	IS 11255 (Part 7): 2005	2 mg/Nm <sup>3</sup> to 2000 mg/Nm <sup>3</sup>
		Carbon di Oxide	IS 13270: 1992	0.2 % to 30 %
		Oxygen	IS 13270: 1992	0.2 % to 25 %
		Acid Mist	USEPA Method 8	2 mg/Nm <sup>3</sup> to 100 mg/Nm <sup>3</sup>
		Ammonia	IS 11255 (Part 6): 1999	5 mg/Nm <sup>3</sup> to 500 mg / Nm <sup>3</sup>

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Stack Gases</b>	Fluoride (Particulate)	IS 11255 (Part 5): 1990	0.5 mg/Nm <sup>3</sup> to 500 mg / Nm <sup>3</sup>
		Fluoride (Gaseous)	IS 11255 (Part 5): 1990	1 mg/Nm <sup>3</sup> to 100 mg / Nm <sup>3</sup>
		Hydrogen Sulphide	IS 11255 (Part 4): 1985 (RA 1995)	2.0 mg/Nm <sup>3</sup> to 500 mg / Nm <sup>3</sup>
		Polynuclear Aromatic Hydrocarbon	USEPA 8270C: 1996 & TO- 13A	40 ng/m <sup>3</sup> to 10000 ng/m <sup>3</sup>
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Carbazole		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		

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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Stack Gases</b>	Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(ghi)perylene	USEPA 8270C: 1996 & TO-13A	40 ng/m <sup>3</sup> to 10000 ng/m <sup>3</sup>
<b>3.</b>	<b>Work Area Environment Air Monitoring</b>	Sulfur Dioxide (SO <sub>2</sub> ) Oxides of Nitrogen (NO <sub>2</sub> / NO <sub>x</sub> )  Particulate Total  Particulate Respirable  Ammonia  Lead  Arsenic	SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015) SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)  SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)  SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)  SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)  SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)	4 µg/m <sup>3</sup> to 1050 µg/m <sup>3</sup> 4 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>  5 µg/m <sup>3</sup> to 10000 µg/m <sup>3</sup>  5 µg/m <sup>3</sup> to 10000 µg/m <sup>3</sup>  20 µg/m <sup>3</sup> to 800 µg/m <sup>3</sup>  0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>  0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>

<b>Laboratory</b>	<b>SGS India Private Limited, CS Plot-512(P), Mouza-Hanspukuria, Diamond Harbour Road, Dist. South 24 Parganas, Kolkata, West Bengal</b>		
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	<b>Work Area Environment Air Monitoring</b>	Nickel	SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)	0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Cadmium	SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)	0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Copper	SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)	0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Chromium	SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)	0.002 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Fluoride	SO-IN-MUL-TE-076 (Issue. 1.1, Dated. 04.05.2015)	1 µg/m <sup>3</sup> to 500 µg/m <sup>3</sup>
		(BTEX) Benzene Benzene	NIOSH- 1501: 2003	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) Toluene	NIOSH- 1501: 2003	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
		(BTEX) Ethyl Benzene	NIOSH- 1501: 2003	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>
	(BTEX) o-,m-,p- Xylene	NIOSH- 1501: 2003	0.002 mg/m <sup>3</sup> to 10 mg/m <sup>3</sup>	

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<b><u>AT SITE</u></b>				
<b>I. ATMOSPHERIC POLLUTION</b>				
1.	<b>Source Noise Monitoring</b>	Noise Level Measurement	SO-IN-MUL-TE-049 (Issue. 1.1, Dated. 04.05.2015)	34 dB to 130 dB
2.	<b>Ambient Noise</b>	Noise Level Measurement	SO-IN-MUL-TE-049 (Issue. 1.1, Dated. 04.05.2015)	34 dB to 130 dB
3.	<b>Flue Gas (stationery source)</b>	Sulfur Dioxide	USEPA 1990 (Method. 6C)	1 mg/m <sup>3</sup> to 13000 mg/m <sup>3</sup>
		Nitrogen Oxides (NOx)	USEPA – 2008 (Method. 7E)	1 mg/m <sup>3</sup> to 5500 mg/m <sup>3</sup>
		Carbon di Oxide	USEPA 1989 (Method. 3A)	0 to 16 % V/V
		Carbon Monoxide	USEPA 1994 (Method. 10B)	1 mg/m <sup>3</sup> to 11000 mg/m <sup>3</sup>
		Oxygen	USEPA 1989 (Method. 3A)	0 to 25 % V/V

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**NOTE:** The Laboratory has demonstrated competence for the stated scope for **WATER**. This however **does not fully cover** the specification requirements of **BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428**.