

Laboratory	AES Laboratories Pvt. Ltd., B-118, Phase-II, Noida, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	24.10.2014
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. FOOD & AGRICULTURAL PRODUCTS				
1.	Milk & Dairy Products (LiquidMilk, milk powder, condensed milk, paneer, cheese, yogurt, ice cream, edible casein products, dairy whitener, butter, whey powder, ghee, curd, butter oil, khoa, milk permeates, milk concentrates& cream)	Moisture Content	AOAC 927.05 19 th edition: 2012 ADPI: 916 SP 18 (Part XI): 1981 IS 11623: 1986	0.1 % to 90 %
		Titratable Acidity (as Lactic Acid)	AOAC 947.05 19 th edition: 2012 ADPI: 916 SP 18 (Part XI): 1981 IS 1165: 2002	0.01 % to 10 %
		Fat Content	AOAC 932.06 19 th edition: 2012 AOAC 905.02 19 th edition: 2012 ADPI: 916 SP 18 (Part XI): 1981 IS 11721:2005	0.5 % to 99 %
		Protein Content	AOAC 991.22 19 th edition: 2012 AOAC 991.20 19 th edition: 2012 SP 18 (Part XI): 1981 IS 7219: 1973 IS 1479 (Part II): 1961	0.5 % to 90 %
		Whey Protein Nitrogen Index (WPNI)	AS: 2300: 4.8	0.085 % to 10 %
		Ash Content	IS 14433: 2007 IS 1165: 2002 AOAC 945.46 19 th edition: 2012 AOAC 930.30 19 th edition: 2012 ADPI: 916 SP 18 (Part XI): 1981	0.001 % to 99 %

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		Lactose content	AOAC 930.28 19 th edition: 2012 SP 18 (Part XI): 1981	0.5 % to 99 %
		Nitrate (NO ₃)	ISO 14673-1: 2004 IS 9967 (Part 1): 2008 IDF-189-1 AOAC 993.03 19 th edition: 2012	0.1 mg/l to 100g & above
		Nitrite(NO ₂)	ISO 14673-1:2004 IS 9967 (Part 1): 2008 IDF-189-1 AOAC 993.03 19 th edition: 2012	0.1 mg/l to 100g & above
		Solid not fat	DGHS Lab manual 1: 2005 AOAC 990 to 21:19 th edition: 2012 IS 1224:1977	0.1 % to 95 %
		Total solids	DGHS Lab manual 1:2005 AOAC 920 to151:19 th edition: 2012 IS 12333:1997 (RA 2003)	1 % to 98 %
		Weight per units Volume	DGHS Lab Manual 1:2005	100 g/L to 600 g/L
		Solubility percent	DGHS Lab manual 1:2005	1 % to 95 %
		Milk Fat	DGHS Lab manual 1:2005 IS 1224:1977	0.1 % to 50 %
		Salt	DGHS Lab manual 1:2005	0.1 % to 15 %
		Butyrefractometer at 40 ⁰ C	DGHS Lab manual 2:2005 AOAC 921.08: 19 th edition: 2012	40 to 60

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		Reichert Value	DGHS Lab manual 2:2005/ AOAC 925.41: 19 th edition: 2012	1 to 30
		Free Fatty acid	DGHS Lab manual 2:2005 IS 548 (I)-1964 (RA 2010)	0.1 % to 40 %
		Baudouin Test	DGHS Lab manual 2:2005 AOAC 893.01: 19 th edition: 2012	Qualitative (Negative/Positive)
		Moisture	DGHS Lab manual 1:2005	0.1 % to 20 %
		Peroxide Value	DGHS Lab manual 1:2005 AOAC 965.33: 19 th edition: 2012	0.1 to 10
		Sucrose	DGHS Lab manual 1:2005	1 % to 75 %
		pH	DGHS Lab manual 1:2005	1 % to 14
		Sugar	DGHS Lab manual 1:2005	1 % to 80 %
		Casein in protein	DGHS Lab manual 1:2005	1 % to 95 %
		Acid Insoluble Ash	DGHS Lab manual -1:2005	0.01 % to 10 %
		Crude Fiber	DGHS Lab manual -1:2005	0.01 % to 20 %
		Non-protein nitrogen	IS 1479 (Part 2): 1961 AOAC 991.21: 19 th edition: 2012	0 to 20 %
		Determination of curd Content in butter	IS 3507: 1966	0 to 10 %

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		Determination of insolubility index	IS 12759: 1989 ISO 8156: 1987	0 to 5 ml
		Preservatives		
		<ul style="list-style-type: none"> • Benzoic Acid • Sorbic Acid 	AES/TD/FOD/SOP 75.0 Issue No.-01 Issue Date-25/09/2013 IS 4624: 1978 (RA 2008) DGHS Lab Manual 8: 2005	0.1 mg/kg to 2000 mg/kg
		<i>Sweeteners</i>	DGHS Lab Manual 8: 2005	0.1 mg/kg to 5000 mg/kg
		<ul style="list-style-type: none"> • <i>Aspartame</i> • <i>Saccharine</i> • <i>Acesulphame K</i> 		
		<i>Naturally occurring toxic substances</i>	AES/TD/FOD/SOP 93.0 Issue No.-01 Issue Date-12/05/2014	0.1 mg/kg to 500 mg/kg 0.2 mg/kg to 100 mg/kg 0.1 mg/kg to 200 mg/kg 0.1 mg/kg to 100 mg/kg
		<ul style="list-style-type: none"> • <i>Agaric Acid</i> • <i>Hydrocyanic Acid</i> • <i>Saffrole</i> • <i>Hypericine</i> 		
		ADULTERATION TESTS		
		Cane Sugar	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Starch	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Cellulose	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Added Urea	DGHS Lab manual -1:2005	0 to 100

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		Ammonium Sulphate	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Glucose	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Sodium Chloride	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Saccharin	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Neutralisers	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Quarterly Ammonium Compounds	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Formalin (preservative)	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Hydrogen Peroxide	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Boric Acid and Borates	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Salicylic Acid	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)
		Foreign Fat	DGHS Lab manual -1:2005	Qualitative (Negative/Positive)

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		Extraneous Water	IS 1479 (Part 1): 1960 DGHS Lab manual 1:2005	Qualitative (Negative/Positive)
		Alkalinity of Ash	IS 1479 (Part 1) : 1960 DGHS Lab Manual 1:2005	Qualitative (Negative/Positive)
2.	Oil, fats and related product			
a.	Emulsion, Oils & Fats, Oilseeds & related products	Moisture	IS 54 8 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	0.001 % to 5 %
		Acid Value	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	0.1 % to 10 %
		Free fatty Acids	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	0.1 % to 2 %
		Saponification Value	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	100 to 260
		Unsaponification Matter	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	0.1 % to 5 %
		Refractive Index	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	1.4250 to 1.4800
		Specific Gravity	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	0.860 to 0.968
		Iodine Value	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	1 to 204
		Reichert Meissel Value	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	0.1 to 35

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		Polenske Value	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	1 to 13
		Peroxide Value	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	1 to 100
		B.R. Reading at 40°C	IS 548 (Part 1): 1964 DGHS 2005 Lab Manual-2: 2005	34 to 74.3
		TBHQ	AES/TD/FOD/SOP 35.0 Issue No.-01 Issue Date-04/05/2010	1.0 mg/g to 10000 mg/g
		Fatty Acid profile	AES/TD/FOD/SOP 13.0 Issue No.-01 Issue Date-04/05/2010	Qualitative
		Cholesterol	AES/TD/FOD/SOP 12.0 Issue No.-01 Issue Date-04/05/2010	1 mg/100 g & above
		Hexane residue	DGHS Lab manual 2: 2005	0.1 mg/kg to 90 mg/kg
		Bellier test	DGHS Lab manual 2: 2005 IS 548 (Part 2) : 1976 (RA 2006)	1 to 41 °C/12 to 60 °C
		Phosphorous	DGHS Lab manual 2: 2005	0.1 mg/kg to 20 mg/kg
		Acid value	DGHS Lab manual 2: 2005 IS 548 (Part I): 1964 (RA 2010)	0.1 to 5

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		Flash point	DGHS Lab manual 2:2005 IS 1448 (Part 20): 1998	0 to 900 °C
		Cloud point	DGHS Lab manual 2: 2005 AOCS-Cc 6-25: 1997 Cloud Point Apparatus ASTM D 2500 :1987	1 °C to 50 °C
		Melting point	DGHS Lab manual 2: 2005 IS 548 (Part I): 1964 (RA 2006)	0 to 60 °C
		Residual nickel	DGHS Lab manual 2: 2005 AOAC 990.05:19 th edition:2012	0.1 mg/kg to 50 mg/kg
		Fat	DGHS Lab manual 2: 2005	0.1 % to 95 %
		Antioxidants	AES/TD/FOD/SOP76.0 Issue No.-01 Issue Date-10/01/2013	30 mg/kg to 50000 mg/kg
		<ul style="list-style-type: none"> • TBHQ • BHA • BHT 		
		Moisture content (Oilseeds)	IS 3579 (Part 5.1): 1966 (RA 2006) Gravimetric method	0.01 % to 50 %
		Impurities (Oilseeds)	IS 3579: 1966 (RA 2006) Gravimetric method	Qualitative (Present/Absent)
		Oil content (Oilseeds)	IS 3579 (Part 5.2): 1966 (RA 2006) Gravimetric method	0.1 % to 99.9 %
		Acid value of extracted fat (Oilseeds)	IS 548 (Part 1):1964 (RA 2006) Titrimetric method	0.01 % to 30 %

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		Damaged & weevilled kernels (Oilseeds)	IS 2323: 1983 Gravimetric method	0.02 % to 20 %
		Slightly damaged kernels (oilseeds)	IS 2323: 1983 Gravimetric method	0.02 % to 20 %
		Shriveled & immature kernels (Oilseeds)	IS 2323: 1983 Gravimetric method	0.02 % to 20 %
		Appearance (Oilseeds)	IS 2323: 1983 Physical	Qualitative (Agreeable/ Not agreeable)
		Taste & Flavour (Oilseeds)	IS 2323: 1983 Organoleptic	Qualitative (Agreeable/ Not agreeable)
		Adulterants		
		Presence of hydrocyanic acid	DGHS Lab manual 2: 2005 IS 548 (Part 2) : 1976 (RA 2006)	Qualitative (Present/Absent)
		Presence of semi –siccative oil	DGHS Lab manual 2: 2005	Qualitative (Positive/Negative)
		Olivepomace oil	DGHS Lab manual 2: 2005	Qualitative (Positive/Negative)
		Cotton seed oil	DGHS Lab manual 2: 2005 IS 548 (Part 2): 1976	Qualitative (Positive/Negative)
		Tea seed oil	DGHS Lab manual 2: 2005	Qualitative (Positive/Negative)
		Sesame oil	DGHS Lab manual 2: 2005 IS 548 (Part 2): 1976	Qualitative (Positive/Negative)

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		Salt	DGHS Lab manual 1: 2005	0.1 % to 10 %
		Starch	DGHS Lab manual 2: 2005	0.1 % to 20 %
		Detection of vegetable fat in Ghee	DGHS Lab manual 2: 2005	Qualitative (Present/Absent)
		Detection of mineral Oil	DGHS Lab manual 2: 2005	Qualitative (Present/Absent)
		Insoluble impurities	DGHS Lab manual 2: 2005	0.1 to 99%
		Test for Argemone Oil	IS 548 (Part 2) : 1976 (RA 2006) DGHS Lab manual 2: 2005 By TLC	Qualitative (Present/Absent)
		Test for the presence of Castor oil	IS 548 (Part 2) (15): 1976 (RA 2006) DGHS Lab manual 2: 2005	Qualitative (Present/Absent)
3.	Spices & Condiments (whole, ground mixed) (Black Pepper, Saffron, Turmeric, Asafoetida, Mustard, Chilli, Coriander)	Extraneous matter	DGHS lab manual 10: 2005	0 to 2 %
		Moisture	IS 1797: 1985 (RA 2009) DGHS 2005 Lab Manual 10:2005 AOAC 986.2: 19 th edition: 2012	0.1 % to 20 %
		Total ash (bleached & unbleached)	DGHS lab manual 10: 2005 IS 1797: 1985(RA2009)	1 % to 10 %
		Acid insoluble ash	IS 1797: 1985 (RA 2009) DGHS 2005 Lab Manual 10:2005 AOAC 941.12: 19 th edition: 2012	0.5 % to 10 %

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		Cold water soluble extract	DGHS lab manual 10: 2005 IS 1797: 1985(RA2009)	1 % to 50 %
		Alcohol (90 % v/m) Soluble extraction	DGHS lab manual 10: 2005 IS 1797: 1985(RA2009)	0.5 % to 10%
		Calcium as CaO	DGHS lab manual 10: 2005 IS 1797: 1985(RA2009)	0.1 % to 5 %
		Non – Volatile ether extract	IS 1797: 1985 (RA 2009) DGHS 2005 Lab Manual 10:2005 AOAC 940.29: 19 th edition: 2012	0.5 % to 20 %
		Volatile organics Sulphur compound	DGHS lab manual 5: 2005	0.001 % to 10 %
		Crude Fiber	IS 1797: 1985 (RA 2009) DGHS 2005 Lab Manual 10:2005 AOAC 940.29: 19 th edition: 2012	0.4 % to 10 %
		Salt	IS 1797: 1985 (RA 2009)	0.1 % to 35 %
		Insect damaged matter	AES/TD/FOD/SOP – 44 Issue No.: 01 Issue Date: 24/04/2012	0 to 1 %
		Light seeds	DGHS lab manual 10: 2005 AES/TD/FOD/SOP : 45 Issue No.: 01 Issue Date: 24/04/2012	0 to 5 %

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		Unripe and marked fruits	AES/TD/FOD/SOP : 46 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
		Broken fruits, seed and fragments	AES/TD/FOD/SOP : 47 Issue No.: 01 Issue Date: 24/04/2012	0 to 5 %
		Split fruits	AES/TD/FOD/SOP : 51 Issue No.: 01 Issue Date: 24/04/2012	0 to 10 %
		Damaged /Discolored units	AES/TD/FOD/SOP : 52 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
		Edible seed other	AES/TD/FOD/SOP : 54 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
		Defective seeds	AES/TD/FOD/SOP : 55 Issue No.: 01 Issue Date: 24/04/2012	0 to 5 %
		Pinheads and broken berries	AES/TD/FOD/SOP : 56 Issue No.: 01 Issue Date: 24/04/2012	0 to 4 %
		Defective rhizomes	DGHS lab manual 10: 2005	0 to 5 %
		Cocoury powder as cuscuoids content	DGHS lab manual 10: 2005	0.1 % to 20 %

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		Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	2.5 mg/kg to 5000 mg/kg
		Foreign edible seeds	DGHS lab manual 5: 2005	0 to 2 %
		Damaged slices	DGHS lab manual 5: 2005	0 to 5 %
		Seed coatings	DGHS lab manual 5: 2005	0 to 6 %
		Iron content	DGHS lab manual 9: 2005	10 mg/kg to 1500 mg/kg
		Magnesium	DGHS lab manual 9: 2005	0.1 mg/kg to 100 mg/kg
		pH value in 5% aqueous sol.	DGHS lab manual 5: 2005	1 to 14
		Free from Added Colour	DGHS Lab Manual 8: 2005	Qualitative (Present/Absent)
		Free from Living & Dead Insect & Insect fragments & rodent contamination	AES/TD/FOD/SOP : 86.0 Issue No.: 01 Issue Date: 28/11/2013	Qualitative (Present/Absent)
		Free from foreign vegetative matter	AES/TD/FOD/SOP : 86.0 Issue No.: 01 Issue Date: 28/11/2013	Qualitative (Present/Absent)
		Water soluble ash	DGHS Lab Manual 4: 2005 IS 1797: 1985(RA2009)	0 to 100 %
		Water Insoluble Ash	IS 1797: 1985(RA2009)	0 to 100 %

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		Acidity as anhydrous tartaric acid	AES/TD/FOD/SOP : 85.0 Issue No.: 01 Issue Date: 27/11/2013	0 to 50 %
		Broken Berries	AES/TD/FOD/SOP : 83.0 Issue No.: 01 Issue Date: 27/11/2013	0 to 10 %
		Black Berries	AES/TD/FOD/SOP : 84.0 Issue No.: 01 Issue Date: 27/11/2013	0 to 10 %
		Calcium and Magnesium Carbonate	DGHS Lab Manual 8: 2005	0 to 100 %
		Modified Starch	DGHS Lab Manual 8: 2005	Qualitative (Present/Absent)
		Dietary Fibre	IS 11062:1984	0.01 % to 50 %
		Mono sodium glutamate(MSG)	DGHS lab manual 8: 2005 AOAC 970.37: 19 th edition: 2012	0 to 5000 mg/kg
	Black Pepper	Bulk density	DGHS lab manual 10: 2005	10 gm/l to 900 gm/l
		Light berries	DGHS lab manual 10: 2005	0 to 5 %
		Piperine Content	DGHS lab manual 10: 2005	0 to 100 %
		Detection of Papaya seeds	DGHS lab manual 10: 2005	0 to 100 %

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	Saffron	Floral waste	DGHS lab manual 10: 2005	0 to 10 %
		Volatile oil	IS 1797:1985 (RA 2009), DGHS 2005 Lab Manual 10:2005 AOAC 940.29: 19 th edition: 2012	0.1 % to 10 %
		Total nitrogen	DGHS lab manual 10: 2005	0.1 % to 50 %
	Turmeric	Curcumin Content (Colouring content)	DGHS 2005 Lab Manual – 10	0 to 100 %
		Starch	DGHS lab manual 10: 2005	0.1 % to 50 %
		Test for lead chromate	DGHS lab manual 10: 2005	Qualitative (Positive/Negative)
	Asafoetida	Detection of Galbnum	DGHS lab manual 10: 2005	0 to 100 %
		Detection of Ammoniacum	DGHS lab manual 10: 2005	0 to 100 %
		Detection of Foreign Resins	DGHS lab manual 10: 2005	0 to 100 %
	Mustard	Argemone seeds	DGHS lab manual 10: 2005	Qualitative (Absent/ Present)
		Detection of Turmeric	DGHS lab manual 10: 2005	Qualitative (Absent/ Present)
	Cumin	Proportion of edible seeds other than cumin seeds	AES/TD/FOD/SOP : 53 Issue No.: 01 Issue Date: 24/04/2012	Qualitative (Absent/ Present)
	Mace	Nutmeg in mace	DGHS lab manual 10: 2005	0 to 3 %

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	Cloves	Tendrils, mother cloves	AES/TD/FOD/SOP : 50 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
		Khokar cloves	AES/TD/FOD/SOP : 50 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
		Headless cloves	AES/TD/FOD/SOP : 50 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
	Fennel	Edible seed other than fennel	AES/TD/FOD/SOP : 54 Issue No.: 01 Issue Date: 24/04/2012	Qualitative (Absent/ Present)
		Empty and malformed capsules by counts	AES/TD/FOD/SOP : 48 Issue No.: 01 Issue Date: 24/04/2012	0 to 3 %
		Immature and shriveled capsules	AES/TD/FOD/SOP : 49 Issue No.: 01 Issue Date: 24/04/2012	0 to 3 %
	Fenugreek	Edible seed other than fenugreek	AES/TD/FOD/SOP : 54 Issue No.: 01 Issue Date: 24/04/2012	0 to 2 %
4.	Honey and Honey Products	Moisture	IS 4941:1994	0.1 % to 30 %
		Reducing Sugar	IS 4941:1994	0.1 % to 80 %
		Sucrose	IS 4941:1994, AOAC 930.36: 19 th edition: 2012	0.1 % to 80 %

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		F/G Ratio	IS 4941:1994	0.1 to 1.5
		Acidity (as Formic acid)	IS 4941:1994	0.01 % to 5 %
		Fiche's test	IS 4941:1994	Qualitative
		Ash	IS 4941:1994	0.1 % to 5 %
		Specific gravity at 27 ⁰ C	IS 4941:1994	1 % to 5 %
5.	Animal Feeds	Moisture	IS 7874 (Part 1): 1975	0.10 % to 30 %
		Crude protein	IS 7874 (Part 1): 1975	0.1 % to 50 %
		Crude fat (Ether Extract)	IS 7874 (Part 1): 1975	0.1 % to 50 %
		Crude fiber	IS 7874 (Part 1): 1975	0.1 % to 50 %
		Total Ash	IS 7874 (Part 1): 1975	0.1 % to 20 %
		Acid insoluble ash	IS 7874 (Part 1): 1975	0.1 % to 20%
		Calcium	IS 7874 (Part 2):1975 Microwave Digestion (AAS)	0.1 mg/kg to 100 mg/kg
		Urea	IS 7874 (Part 2): 1975 Microwave Digestion (AAS)	0.1 % to 100 %
		Phosphorus	IS 7874 (Part 1): 1975	0.1 mg/kg to 100 mg/kg
		Salt	IS 7874 (Part 1): 1975	0.1 % to 50%
		Iron	IS 7874 (Part 1): 1975	0.1 mg/kg to 100 mg/kg

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		Copper	IS 7874 (Part 2):1975 Microwave Digestion (AAS)	0.1 mg/kg to 100 mg/kg
		Manganese	IS 7874 (Part 2):1975 Microwave Digestion (AAS)	0.1 mg/kg to 100 mg/kg
		Zinc	IS 7874 (Part 2):1975 Microwave Digestion (AAS)	0.1mg/kg to 100 mg/kg
		Vitamin A	AES/TD/FOD/SOP 17.0 Issue No.: 01 Issue Date: 05/04/2010	0.1 IU/g to 25IU/g
6.	Nutritional Facts in Food	Total Carbohydrate	IS 1656: 2007	1 g/100 g & above
		Total Sugar	IS 4079: 1967	1 g/100 g & above
		Cholesterol	AOAC 994.10: 19 th edition: 2012 AES/TD/FOD/SOP 12.0 Issue No.: 01 Issue Date: 05/04/2010	1 mg/100 g & above
		Dietary Fibers	AOAC 993.21: 19 th edition: 2012	0.1 g/100 g & above
		Energy/Calories	Bomb Calorimeter / Calculation	20 Kcal. / 100 g & above
		Protein	AOAC 991.20: 19 th edition: 2012	0.10 g/100 g & above
		Total Fat	AOAC 922.06: 19 th edition: 2012	0.10 g/100 g & above
		Sodium	AOAC 985.35: 19 th edition: 2012	1mg/100 g & above
		Calcium	AOAC 985.35: 19 th edition: 2012	1mg/100 g & above

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		Saturated Fat	AOAC 996.06: 19 th edition: 2012 AES/TD/FOD/SOP 13.0 Issue No.: 01 Issue Date: 06/01/2012	Qualitative
		Trans Fat	AOAC 996.06: 19 th edition: 2012 AES/TD/FOD/SOP 13.0 Issue No.: 01 Issue Date: 06/01/2012	Qualitative
		Mono unsaturated fatty acid – (MUFA)	AOAC 996.06: 19 th edition: 2012 AES/TD/FOD/SOP 13.0 Issue No.: 01 Issue Date: 06/01/2012	Qualitative
		Poly unsaturated fatty acid – (PUFA)	AOAC 996.06: 19 th edition: 2012 AES/TD/FOD/SOP 13.0 Issue No.: 01 Issue Date: 06/01/2012	Qualitative
7.	Vitamins in Food	Thiamin (Vitamin B1)	AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above
		Riboflavin (Vitamin B2)	AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above
		Nicotinic Acid (Niacin)	IS 5400 :1969 AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above

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		Folic acid	IS 7234 :1974 AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above
		Vitamin B ₆	AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 – 1000 µg /100g
		Vitamin A	IS 5886 :1970 AES/TD/FOD/SOP 17.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above
		Vitamin C	IS 5838 :1970 AES/TD/FOD/SOP 18.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above
		Vitamin D (as chole-calciferol)	IS 5835 :1970 AES/TD/FOD/SOP 19.0 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg & above
		Vitamin E (as α tocopherol compounds)	IS 7235 :1974 AES/TD/FOD/SOP 20.0 Issue No.: 01 Issue Date: 05/04/2010	0.1µg - 100µg /kg
8.	Infant Food			
a.	Infant Milk Substitutes	Moisture	IS 11623: 2008	(0.01 g to 20 g) /100 g
		Total Milk Protein	IS 7219: 1973	(0.1 g to 80 g) /100 g
		Milk Fat	IS 11721: 2005	(0.1 g to – 25 g) /100 g

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		Total Fat	IS 11721: 2005	(0.1 g to 25 g) /100 g
		Total ash	IS 14433 (Part 1): 1997	(0.01 g to 50 g) /100 g
		Acid insoluble ash	IS 14433 (Part 1) : 1997	(0.01 g to 1.0 g) /100 g
		Insolubility index	IS 12759 : 1989(RA 1999)	(0.1 ml to 25 ml) / 100 g (M)
		Solubility	IS 12759 : 1989(RA 1999)	0.1 % to 25 %
		Vitamin A (as retinol)	IS 5886 : 1970(RA 2005) AES/TD/FOD/SOP 17.0 Issue No.: 01 Issue Date: 01/10/2012	(1 IU to 10000 IU)/100 g
		Iron	AOAC 985.35: 19 th edition: 2012	(0.1 mg to 1000 mg) /100 g
		Lead	AOAC 999.11: 19 th edition: 2012 AOAC 986.15: 19 th edition: 2012	(0.1 to 50) mg/kg
		Arsenic	IS 11124 :1984 (RA 2003) AOAC 986.15: 19 th edition: 2012	(0.01 to 100) mg/kg
		Tin	AOAC 985.16: 19 th edition: 2012	(0.01 to 1000) mg/kg
		Cadmium	AOAC 999.11: 19 th edition: 2012 AOAC 986.15: 19 th edition: 2012	(0.01 to 100) mg/kg
		Vitamin D (as chole-calciferol)	IS 5835 :1970(RA 2005) AES/TD/FOD/SOP 19.0 Issue No.: 01 Issue Date: 05/04/2010	(1 IU to 1000 IU) /100 gm

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		Thiamine	AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	(1 µg to 1000 µg) /100g
		Niacin	IS 5400 :1969 , AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	(0.01 mg to 100 mg) / 100 gm
		Riboflavin	AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	(1 µg to 10000 µg) /100g
		Vitamin B6	IS 7530:1975 (RA 1990) AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	(0.1 µg to 1000 µg) /100g
		Folic acid	IS 7234 :1974 (RA 1990) AES/TD/FOD/SOP 15.0 Issue No.: 01 Issue Date: 05/04/2010	(1 µg to 1000 µg) /100g
		Vitamin C	IS 5838 :1970 (RA 2005) AES/TD/FOD/SOP 18.0 Issue No.: 01 Issue Date: 05/04/2010	(1 µg to 1000 µg) /100g
		Vitamin K	AES/TD/FOD/SOP 23.0 Issue No.: 01 Issue Date: 05/04/2010	(1 µg to 1000 µg) /100g
		Calcium	AOAC 985.35: 19th edition: 2012	(1 mg to 10000 mg) /100g

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		Phosphorus	IS 12756 :1989(RA 1999)	(0.01 g to 10 g) /100 g
		Iodine	IS 7224 :2006	(0.1 µg to 1000 µg)/100g
		Copper	IS 1699 :1995 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg/kg to 100 mg/kg
		Manganese	IS 3025 :1964 , AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg/kg to 100 mg / kg
		Zinc	IS 1699 :1995 (RA 2009) AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg/kg to 1000 mg / kg
		Sodium	IS 12760 :2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.001 % to 10 %
		Potassium	IS 12760 :2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.001 % to 10 %
		Chloride	IS 11763 :2005	0.01 % to 20 %

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		Magnesium	IS 5949 :1990(RA 2003) AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2014	0.1 mg/kg to 1000 mg/kg
		Selenium	IS 3025 (Part 56): 2003	(5 µg to 1000µg) /kg
		Vitamin E (as α tocopherol compounds)	IS 7235 :1974 (RA 2005) AES/TD/FOD/SOP 20.0 Issue No.: 01 Issue Date: 05/04/2010	(1µg to 100 µg) /kg
b.	Milk-Cereal Based Complimentary Foods	Moisture	IS 11623: 2008	(0.5 g to 99 g) per 100 g
		Total Protein	IS 7219: 1973	(1.0 gm to 25 gm) / 100 gm
		Fat	IS 1656 (Annex-B): 2007	(0.5 gm to 50 gm)/100gm
		Total carbohydrates	IS 1656 (Annex-C): 2007	(1.0 gm to 100 gm) /100gm
		Total ash	IS 14433(Annex-B) 2007	(0.01 gm to 99 gm)/ 100 gm
		Acid insoluble ash	IS 14433 (Annex-C) 2007	0.01 mg/100 gm & above
		Vitamin A (as retinol)	IS 5886 : 1970 AES/TD/FOD/SOP 17 Issue No.: 01 Issue Date: 01/10/2012	1 µg / 100 gm & above

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		Vitamin C	IS 5838 : 1970 AES/TD/FOD/SOP 18 Issue No.: 01 Issue Date: 06/01/2012	(1 gm to 100 mg)/ 100 gm
		Iron	AOAC 985.35: 19 th edition: 2012	(0.1 mg to 1000 mg)/ 100 gm
		Crude fiber (on dry basis)	IS 10226 (Part 1):1982 (RA 2005)	(0.1 gm to 25 gm) / 100 gm
		Added Vitamin D (as cholecalciferol)	IS 5835: 1970 AES/TD/FOD/SOP 19 Issue No.: 01 Issue Date: 05/04/2010	1.0 IU/100 gm & above
		Thiamine	AES/TD/FOD/SOP 15 Issue No.: 01 Issue Date: 05/04/2010	(0.1 mg to 100 mg) / 100 gm
		Riboflavin	AES/TD/FOD/SOP 15 Issue No.: 01 Issue Date: 05/04/2010	(0.1 mg to 100 mg) / 100 gm
		Niacin	AES/TD/FOD/SOP 15 Issue No.: 01 Issue Date: 05/04/2010	(0.1 mg to 100 mg) / 100 gm
	Milk-Cereal Based Complimentary Foods	Folic acid	IS 7234 : 1974 (RA 1990) AES/TD/FOD/SOP 15 Issue No.: 01 Issue Date: 05/04/2010	(1.0 mg to 100 mg) / 100 gm

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		Zinc	IS 1699 :1995 (RA 2009) Clause 15	(0.1 mg to 100 mg) / 100 gm
		Copper	IS 1699 :1995(RA 2009) Clause 15	(0.1 mg to 100 mg) / 100 gm
		Lead	IS 12074:1987 (RA 1998) AOAC 999.11: 19 th edition: 2012 AOAC 986.15: 19 th edition: 2012	(0.1 mg to 100 mg)/ 100 gm
		Arsenic	IS 11124:1984(RA 2003) AOAC 986.15: 19 th edition: 2012	0.025 mg/1 to 100 mg/1
		Tin	IS 2860:1964 (RA 2008) Clause 17 AOAC 985.16: 19 th edition: 2012	(0.1 mg to 100 mg) / 100 gm
		Cadmium	IS 1699:1995 (RA 2009) Clause 15 AOAC 999.11: 19 th edition: 2012 AOAC 986.15: 19 th edition: 2012	(0.05 mg to 100 mg) / 100 gm
9.	Fruit and vegetable & their products (Fruits & vegetable, Fruit juices & concentrates & related products, soft drinks, fruit drinks, Carbonated and non carbonated beverages & sherbets, squashes, Softdrink concentrates/ vinegar, Nuts & Raisins)	Drained weight	DGHS lab manual 5:2005	50 % to 70 %
		Fill of container	DGHS lab manual 5:2005	Not less than 90%
		Total soluble solids	DGHS lab manual 5:2005 IS 13815:1993 (RA 2003)	0.1 % to 95 %
		Artificial sweetener	DGHS lab manual 8:2005	Qualitative
		Acidity as critic acid	DGHS lab manual 8:2005	0.1 % to 10 %

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		Salt	DGHS lab manual 1:2005 IS 2860: 1964 (RA 2001)	0.1 % to 20 %
		Moisture	DGHS lab manual 5:2005	0.1 % to 20 %
		Ash insoluble in dil. HCl	DGHS lab manual 5:2005	0.1 % to 10 %
		Starch	DGHS lab manual 5:2005	0.1 % to 50 %
		Fruit content	DGHS lab manual 5:2005	1 % to 50 %
		Total sugar	DGHS lab manual 5:2005	0.1 % to 75 %
		Reducing sugar	DGHS lab manual 5:2005	0.1 % to 80 %
		T.S.S (salt free basis)	DGHS lab manual 5:2005	0.1 % to 25 %
		Acidity as acetic acid	DGHS lab manual 5:2005 AOAC 942.15: 19 th edition: 2012	0.1 % to 10 %
		Sulphur dioxide	DGHS lab manual 5:2005	0.1 to 2000
		Ash	DGHS lab manual 5:2005	0.1 % to 5 %
		Peroxidase test	DGHS lab manual 5:2005	Qualitative (Positive/Negative)
		pH	DGHS lab manual 5:2005	1 to 14
		Sodium chloride (packed in Brine)	DGHS lab manual 5:2005	0.1 % to 25 %
		Acidity of brine as lactic acid	DGHS lab manual 5:2005	0.1 % to 5 %

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		Acidity of extracted fat	DGHS lab manual 5:2005	0.1 % to 5 %
		Exposure to Carbide Gas (Acetylene)	AES/TD/FOD/SOP 39 Issue No.: 01 Issue Date: 03/05/2012	Qualitative
		Rotting	AES/TD/FOD/SOP 40 Issue No.: 01 Issue Date: 03/05/2012	Qualitative
		Coating of colours	AES/TD/FOD/SOP43 Issue No.: 01 Issue Date: 03/05/2012	Qualitative
		Coating of mineral Oil	AES/TD/FOD/SOP 42 Issue No.: 01 Issue Date: 03/05/2012	Qualitative
		Coating of Waxes	AES/TD/FOD/SOP 41 Issue No.: 01 Issue Date: 03/05/2012	Qualitative
		Fat /Oil Content (Coconut / Nuts & Rasins type products)	AOAC 948.22: 19 th edition: 2012/AOAC 963.15 : 19 th edition: 2012 (Soxhlet Extraction) AOAC 920.39: 19 th edition: 2012	0 to 99%
		Free Fatty Acid / Acid Value of Extracted Fat	DGHS 2005 Lab Manual 2:2005 IS 548 (Part 1): 1964	0.1 % to 5 %

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		Peroxide Value of Extracted Fat	AOAC 965.33: 19 th edition: 2012 DGHS 2005 Lab Manual 2: 2005 IS 548 (Part 1):1964	1 to 100
		Mineral acid(vinegar)	AES/TD/FOD/SOP 87 Issue No.: 01 Issue Date: 15/05/2014	Qualitative (Present/ Absent)
		Extraneous Veg. Matter	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	0 to 10 %
		Insect Fragments	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	Qualitative
		Rodent hair & excreta	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	Qualitative
		Added Colour /Artificial Colours/ Synthetic colours	DGHS Lab Manual 8:2005	Qualitative (Present/ Absent)
		Protein	AOAC 950.48: 19 th edition:2012	0 to 50 %
		Crude Fibre	AOAC 935.53: 19 th edition: 2012	0 to 80 %
		Ash	AOAC 950.49: 19 th edition: 2012	0 to 10 %
		Reducing sugars	AOAC 950.50: 19 th edition: 2012	0 to 80 %
		Sucrose	AOAC 950.51: 19 th edition: 2012	0 to 80 %
		Sodium Chloride	AOAC 950.52: 19 th edition: 2012	0 to 80 %

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		Damaged Kernel including slightly damaged kernel	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	Qualitative
		Damaged Rasins	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	Qualitative
		Sugared Raisins	DGHS lab manual 5:2005 AOAC 925.35: 19 th edition: 2012	Qualitative
		Unopened Shells	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	Qualitative
		Empty Shells	AES/TD/FOD/SOP 88.0 Issue No.: 01 Issue Date: 15/05/2014	Qualitative
		Potassium	AOAC 965.30: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 01 Issue Date: 30/10/2013	1 mg/kg to 5000 mg/kg
		Sodium	AOAC 966.16: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 01 Issue Date: 30/10/2013	1 mg/kg to 5000 mg/kg
		Acidity (volatile) of fruit Product	AOAC 925.34 : 19 th edition: 2012 AOAC 964.08: 19 th edition: 2012 DGHS Lab Manual 5:2005	1 mg/kg to 5000 mg/kg

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		Preservatives Benzoic Acid Sorbic Acid	AES/TD/FOD/SOP 74.0 Issue No.: 01 Issue Date: 17/09/2013	0.1 mg/kg to 2000 mg/kg
		Sweeteners Aspartame Saccharine Acesulphame K	AES/TD/FOD/SOP 74.0 Issue No.: 01 Issue Date: 17/09/2013	0.1 mg/kg to 5000 mg/kg
		Naturally occurring toxic substances Agaric Acid Hydrocyanic Acid Saffrole Hypericine	AES/TD/FOD/SOP 92.0 Issue No.: 01 Issue Date: 05/12/2014	0.1 mg/kg to 500 mg/kg 0.2 mg/kg to 100 mg/kg 0.1 mg/kg to 200 mg/kg 0.1 mg/kg to 100 mg/kg
10.	Cereals, pulses, and by-product (Whole & Powdered, raw & processed, & finished products of food grains, rice, wheat, maize, chana wheat flour, infant & weaning food, soya flour, corn flour, besan, macroni products, Cornflakes, sattu, suji, dalia, Whole & powdered, raw & processed, & finished / Bakery Products & namkeen & related Products	Physical examination Moisture Total ash Acid insoluble ash in dilHCl Gluten Alcoholic acidity CaCO ₃ fortification	DGHS lab manual 3:2005 DGHS lab manual 3:2005 IS 4333 (Part 2): 2002(RA 2012) DGHS lab manual 3:2005 IS 1155:1968(RA 2010) DGHS lab manual 3:2005 IS 1155:1968(RA 2010) DGHS lab manual 3:2005 IS 1155:1968(RA 2010) DGHS lab manual 3:2005 IS 1155:1968(RA 2010) DGHS lab manual 3:2005	Qualitative 0 to 25 % 0.1 % to 5 % 0.01 % to 5 % 5 % to 15 % 0.01 % to 5.0 % 0.1 % to 5 %

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		Crude fibre	DGHS lab manual 3:2005 IS 1155:1968(RA 2010)	0.1 % to 10 %
		Ascorbic acid	DGHS lab manual 5:2005 AOAC 967.21: 19 th edition: 2012	1 mg/kg to 200 mg/kg
		Protein (3 gm in moog dal)	DGHS lab manual 3:2005	0.1 % to 20 %
		Food grains	DGHS lab manual 3:2005 IS 8184:1976(RA 2005)	0 to 1 %
		Foreign matter	DGHS lab manual 3: 2005	0 to 1 %
		Other edible grains	DGHS lab manual 3: 2005	0 to 6 %
		Damaged grains	DGHS lab manual 3: 2005	0 to 12 %
		Weevilled grains	DGHS lab manual 3: 2005	0 to 10 %
		Uric acid	DGHS lab manual 5:2005 IS 4333(Part 5)-1970 (RA 2005)	0.1 mg/kg to 100 mg/kg
		Total fat	DGHS lab manual 3:2005	0.1 % to 30 %
		Solubility	DGHS lab manual 3:2005	0.1 % to 80 %
		Test for starch	DGHS lab manual 3:2005	Qualitative (Negative/Positive)
		Hexane	DGHS lab manual 3:2005	0.1 mg/kg to 10 mg/kg
		Amylose Content	ISO 6647(Part 1 & part 2): (2007)	0.1 % to 28 %

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		Gel Length	DMS 177: 2010 Annex G AES/TD/FOD/SOP 57 Issue No.: 01 Issue Date: 27/04/2012	0.1 to 100
		Alkali of Spreading Value	DMS 177:2010 Annex F AES/TD/FOD/SOP 64 Issue No.: 01 Issue Date: 27/04/2012	1 to 7 (Scale)
		Length Breadth Ratio	DMS 177:2010 Annex I AES/TD/FOD/SOP 58 Issue No.: 01 Issue Date: 27/04/2012	>3.5
		Elongation Ratio	DMS 177:2010 Annex H AES/TD/FOD/SOP 59 Issue No.: 01 Issue Date: 27/04/2012	0 to 1.7%
		Aroma Test	DMS 177:2010 Annex E AES/TD/FOD/SOP 60 Issue No.: 01 Issue Date: 27/04/2012	Qualitative (Positive /Negative)
		Total Solids	DGHS lab manual 3:2005 AOAC 925.10: 19 th edition: 2012	0 to 99%
		pH	AOAC 943.02: 19 th edition: 2012	1 to 14
		Total Nitrogen	AOAC 920.87: 19 th edition: 2012 DGHS Lab Manual 3: 2005 (Kjeldahl method)	0.1 % to 50 %

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		Acid value/ Free Fatty Acid of extracted fat (as oleic acid)	DGHS Lab Manual2:2005 AOAC 969.17: 19 th edition: 2012	0.1 % to 10 %
		Dietary Fibre	AOAC 993.21: 19 th edition: 2012	0.1 % to 50 %
		Salt	IS 1158:1973 IS 4706 (Part 2):1978 AOAC 930.23: 19 th edition: 2012	0.01 % to 80 %
		Total sugar (as sucrose)	DGHS lab manual 4: 2005 AOAC 925.35: 19 th edition: 2012 IS 1163: 1992	0.1 % to 90 %
		Total Ash excluding salt	DGHS Lab Manual 3: 2005 IS 1158:1973	0 to 20%
		Solubility Percent	DGHS Lab manual 1: 2005	0.1 % to 99.9 %
		Preservatives	AES/TD/FOD/SOP 75.0	0.1 mg/kg to 2000 mg/kg
		Benzoic Acid	Issue No.: 01	
		Sorbic Acid	Issue Date: 26/09/2013 IS 4624:1978 (RA 2008) DGHS Lab Manual 8: 2005	
		Sweeteners	DGHS Lab Manual 8: 2005	0.1 mg/kg to 5000 mg/kg
		Aspartame		
		Saccharine		
		Acesulphame K		
		Naturally occurring toxic substances		
		Agaric Acid	AES/TD/FOD/SOP 91.0	0.1 mg/kg to 500 mg/kg
		Hydrocyanic Acid	Issue No.: 01	0.2 mg/kg to 100 mg/kg
		Saffrole	Issue Date: 05/12/2014	0.1 mg/kg to 200 mg/kg
		Hypericine		0.1 mg/kg to 100 mg/kg

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11.	Starch and starchy products	Total ash	DGHS lab manual 3:2005	0.1 % to 5 %
		Acid insoluble ash in dilHCl	DGHS lab manual 3:2005	0.01 % to 5 %
12.	Bakery and confectionary products	Acid insoluble ash in dilHCl	IS 12711:1989	0.01 % to 5 %
		Acidity of Ext.Fat	IS 12711:1989	0.1 % to 5 %
		Total fat	IS 12711:1989	1 % to 50 %
		Dietary fiber (oligofructose)	IS 11062:1984	0.1 % to 50 %
		Ash sulphated (on free basis)	IS 6287:1985	0.1 % to 50 %
		Protein	IS 6287:1985	0.1 % to 25 %
		Sucrose content	IS 6287:1985	0.1 % to 90 %
		Physical examination	DGHS lab manual : 2005	Qualitative
		Milk fat	DGHS lab manual 1: 2005	1 % to 30 %
		Cocoa solids	DGHS lab manual 5: 2005	0.1 % to 15 %
		Milk solids	DGHS lab manual 1: 2005	0.1 % to 80 %
		Total sugar (as sucrose)	DGHS lab manual 1: 2005	0.1 % to 90 %
Moisture	DGHS lab manual 1:2005	0.1 % to 30 %		
Extraneous matter	DGHS lab manual 1:2005	0 to 2 %		
Ash	DGHS lab manual 1:2005	0.1 % to 5 %		

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		Starch	DGHS lab manual 1:2005	0.1 % to 20 %
		Invert sugar	IS 6287: 1985 (RA 1999)	0.1 to 50
		Alcoholic acidity	IS 12711: 1989 (RA 1999)	0.1 ml to 10 ml
		Total solid content	IS 12711:1989 (RA 1999)	0.1 % to 90 %
		Reducing sugar	IS 6287:1985 (RA 1999)	0.1 % to 30 %
		Alkalinity of Total Ash	IS 1164:1980	1 % to 99 %
13.	Meat and Meat Products			
		Total fat content	IS 5960(Part III)-1970 (RA 2005)	0.1 % to 30 %
		Total volatile base	DGHS lab manual 6: 2005	(0.1 mg to 30 mg) /100g
		Histamine	DGHS lab manual 6: 2005	(0.1 mg to 30 mg)/100g
		Moisture	DGHS lab manual 6: 2005 IS 14950: 2001	0.1 % to 25 %
		Acid insoluble ash in dilHCl (dry basis)	DGHS lab manual 6: 2005 IS:14950:2001	0.1 % to 5 %
		Sodium chloride	DGHS lab manual 6: 2005 IS 14950:2001	0.1 % to 25 %
		Acidity in brine (as citric acid)	DGHS lab manual 6: 2005	0.1 % to 5 %

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		Acid Value of extracted fat (as oleic acid)	DGHS lab manual 5: 2005 AOAC 942.15: 19 th edition: 2012 IS 2860:1964 (RA 2008)	0.1 % to 10 %
		Sugar	DGHS lab manual 1: 2005	Qualitative (Present/ Absent)
		Starch	DGHS lab manual 6: 2005	Qualitative (Present/ Absent)
		Added Colour	DGHS lab manual 8: 2005	Qualitative (Present/ Absent)
		Total Phosphorus Content	DGHS lab manual 4: 2005	0 to 1000 mg/kg
		Protein	AOAC 991.20: 19 th edition: 2012 AOAC 950.36: 19 th edition: 2012 IS 7219:1973 (RA 2005)	0.10 gm/100gm & above
		Total Ash	AOAC 920.153: 19 th edition: 2012 IS 5960 (Part 2): 2000	0.1 % to 50%
		Total Nitrogen	AOAC 940.25: 19 th edition: 2012 IS 7219: 1973	0.05 % to 50%
14.	Non Alcoholic Beverages (other than Dairy and fruit & vegetable) Tea, coffee, chicory & related products	Total ash	DGHS lab manual 4: 2005	0.1 % to 10 %
		Water soluble ash	IS 13855: 1993	0.1 % to 10 %
		Alkalinity of water soluble ash as KOH	IS 3633: 2003	0.1 % to 5 %

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		Acid insoluble ash (in dilHCl)	DGHS lab manual4: 2005	0.01 % to 5 %
		Water extract	IS 13862:1999	0.1 % to 50 %
		Crude fibre	IS 10226 (Part 1): 1982	0.1 % to 20 %
		Total catechins	DGHS lab manual4: 2005	0.1 % to 30 %
		Moisture	IS 11623: 1996	0.1 % to 20 %
		Caffeine	IS 11911: 1986	0.1 mg/kg to 50 mg/kg
		Solubility in cold water	DGHS lab manual 4: 2005	Dissolves readily in 30 sec with moderate stirring
		Alcoholic content	IS 323: 1959	0.1 % to 50 %
		Total acid as tartaric acid	DGHS lab manual 5: 2005	10 g to 500 g
		Saccharin	IS 2346:1992 DGHS lab manual 8: 2005	Qualitative
		Aspartame	DGHS lab manual 8: 2005	Qualitative
		Caffeine Content	IS 11911:1986 AOAC 925.17: 19 th edition: 2012 DGHS lab manual 4: 2005	0.1 mg/kg to 50 mg/kg
		Acidity (Total) in roasted coffee	AOAC 920.92: 19 th edition: 2012	0.05 % to 5 %
		Test for chicory	DGHS lab manual 4: 2005	Qualitative (Present/ Absent)

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		Added Colour /Artificial Colours/ Synthetic colours	DGHS Lab Manual 8: 2005	Qualitative (Present/ Absent)
		Preservatives Benzoic Acid Sorbic Acid	AES/TD/FOD/SOP 72 Issue No.: 01 Issue Date: 21/09/2013 IS 4624:1978 (RA 2008) DGHS Lab Manual 8: 2005	0.1 mg/kg to 2000 mg/kg
		Sweeteners Aspartame Saccharine Acesulphame K	DGHS Lab Manual 8: 2005	0.1 mg/kg to 5000 mg/kg
15.	Alcoholic Drinks & Beverages	Specific gravity	DGHS lab manual 4:2005	0.5 to 1.5
		Volatile acidity expressed as acetic acid	IS 7585: 1995 IS 3752: 2005	(0.1 gm to 1000 gm) /100 litre
		Esters as ethyl acetate	IS 3752: 2005	(0.1 gm to 1000 gm) /100 litre
		Higher Alcohols as amyl alcohol	IS 3752: 2005 AOAC 962.08: 19 th edition: 2012 AOAC 972.09: 19 th edition: 2012	0 to 1000 gm/100 litre
		Aldehydes as acetaldehyde	IS 3752: 2005 AOAC 972.08: 19 th edition: 2012	0.02 gm to 500 gm/litre
		Total Sulphur di oxide	IS 7585: 1995	(0.1 to 500) mg/litre
		Free Sulphur di oxide	IS 7585: 1995	(0.1 to 500) mg/litre
		Extracts	IS 7585: 1995	0.01 to 500

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		Tannins	IS 7585: 1995	0.01 to 500
		Methyl alcohol	IS 3752: 2005	5 mg/kg to 5000 mg/kg
		Reducing Residual Sugar	IS 7585: 1995	0.01 to 500
		pH	IS 7585: 1995	1 to 14
		Residue on evaporation	IS 3752: 2005	0.002 % to 30 %
		Ash	IS 3752: 2005	0.01 to 500
		Furfural	IS 3752: 2005 AOAC 960.16: 19 th edition: 2012	(0.1gm to 50 gm)/100 litre
		Added Colour /Artificial Colours/ Synthetic colours	DGHS Lab Manual 8: 2005	Qualitative (Present /Absent)
		Mono sodium glutamate(MSG)	DGHS lab manual 8: 2005 AOAC 970.37: 19 th edition: 2012	0 to 5000 mg/kg
		Naturally occurring toxic substances	AES/TD/FOD/SOP 78.0 Issue No.: 01 Issue Date: 25/10/2013	
		Agaric Acid		0.1 mg/kg to 500 mg/kg
		Hydrocyanic Acid		0.2 mg/kg to 100 mg/kg
		Saffrole		0.1 mg/kg to 200 mg/kg
		Hypericine		0.1 mg/kg to 100 mg/kg
16.	Preservatives	Sulphur dioxide	IS 2346: 1992	1 mg/kg to 2000 mg/kg
		Benzoic acid	IS 2346: 1992 AOAC 963.19: 19 th edition: 2012	1 mg/kg to 2000 mg/kg
		Sorbic acid (including K, Ca, Na salt)	IS 2346: 1992 AOAC 974.10: 19 th edition: 2012	1 mg/kg to 2000 mg/kg

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	Antioxidants	TBHQ	IS 2346: 1992	0.01 % to 5%
		Citric acid	IS 2346: 1992	0.01 % to 1 %
		Ascorbic acid	IS 2346: 1992	1 mg/kg to 600 mg/kg
17.	Sweet & Confectionary Product/Cocoa beans & Its Products/ Cocoa Powder/ Chewing Gum/ Bubble Gum/ Ice Lollies/ Chocolate/ Lozenges/ Suger Boiled Confectionary & Related Products	Crude fibre (on dry basis)	IS 10226 (Part 1)-1982 (RA 2005) IS 1164:1980 DGHS Lab manual 3: 2005 AOAC 950.37: 19 th edition: 2012	(0.1 gm to 25gm) / 100gm
		pH	AOAC 943.02: 19 th edition: 2012	1 to 14
		Cocoa Butter in cocoa powder	DGHS Lab Manual 4: 2005	0 to 50 %
		Titanium Di oxide	DGHS Lab Manual 4: 2005	0 to 5000 mg/kg
		Gum Base Content	DGHS Lab Manual 4: 2005	0 to 100%
		Preservatives	AES/TD/FOD/SOP 75.0	
		Benzoic Acid	Issue No.: 01	5 mg/kg to 100000mg/kg
		Sorbic Acid	Issue Date: 25/09/2013	5 mg/kg to 100000mg/kg
		Sweeteners	AES/TD/FOD/SOP 75.0	5 mg/kg to 100000
		Aspartame	Issue No.: 01	mg/kg 5 mg/kg to
		Saccharine	Issue Date: 25/09/2013	100000 mg/kg
		Acesulphame K		5 mg/kg to 100000 mg/kg

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18.	Sugar & by-products Invertsyrops, Caramelized sugar Refined sugar, cube sugar, raw sugar, Jaggery, mishri, Bura,,Gur or Jaggery	Moisture	IS: 15279, 2003 Reaff. 2008 DGHS Manual 4-2005 (7.2) Gravimetric Method	0.02 % to 20 %
		Ash	IS 12923: 1990 (RA 2008) DGHS Manual 4: 2005 (7.3) Gravimetric Method	0.02 % to 10 %
		Acid insoluble ash	IS 12923: 1990 (RA 2008) DGHS Manual 4: 2005 (8.1) Gravimetric Method	0.02 % to 10 %
		Reducing sugar	IS 15279: 2003 (RA 2008) DGHS Manual 4: 2005 (8.2) Titrimetric Method	1 % to 30 %
		Sucrose content	IS 15279: 2003 (RA 2008) DGHS Manual 4: 2005 (8.2) Titrimetric Method	1 % to 80 %
		Sulphated Ash	IS 15279: 2003 (RA 2008) DGHS Manual 4: 2005 (10.0) Gravimetric Method	0.02 to 10
		Sulphur dioxide	IS 15279: 2003 (RA 2008) DGHS Lab Manual 8: 2005	2 mg/kg to 300 mg/kg
		Conductivity	IS 15279: 2003 (RA 2008) DGHS Manual 4: 2005 (7.6.3.3) Conductivity meter	0.005 % to 0.1 %
		Calcium Oxide	DGHS Lab Manual 4: 2005	0.01 % to 50 %

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		Free from Extraneous Matter	AES/TD/FOD/SOP 96 Issue No.: 01 Issue Date: 28/11/2013	Qualitative (Present/ Absent)
19.	Guar Gum	Colour	AES/TD/FOD/SOP 95 Issue No.: 01 Issue Date: 28/11/2013	Qualitative
		Odour	AES/TD/FOD/SOP 95 Issue No.: 01 Issue Date: 28/11/2013	Qualitative
		State	AES/TD/FOD/SOP 95 Issue No.: 01 Issue Date: 28/11/2013	Qualitative
		Purity (as galactomannans)	IS 10502 (Annex B-1): 1993	0 to 99 %
		Acid Insoluble matter	IS 10502 (Annex B-2): 1993	0 to 25 %
		Total Ash	IS 10502 (Annex B-3): 1993	0 to 25 %
		Protein (N x 5.7)	IS 7219: 1973 IS 10502: 1993	0 to 99 %
		Starch	IS 10502 (Annex B-4): 1993	Qualitative (Present/ Absent)
		Loss on Drying at 105°C for 5 hrs.	IS 7928: 1992	0 to 99 %
		pH	IS 10502: 1993	0 to 14

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		Lead (as Pb)	AES/TD/FOD/SOP 24.0 (AAS/GFAAS) Issue No.: 02 Issue Date: 30/10/2013	0 to 1000 mg/kg
		Arsenic (as As)	AES/TD/FOD/SOP 24.0 (AAS/GFAAS) Issue No.: 01 Issue Date: 30/10/2013	0 to 1000 mg/kg
		Trace Metal Elements		
a.	Milk & Dairy Products	Lead (as Pb)	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.01 mg/kg to 100 mg/kg
		Arsenic	AOAC 1Ch. 9: 19 th edition: 2012 AES/TD//FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.002 mg/kg to 100 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD//FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.01 mg/kg to 100 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 100 mg/kg

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		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.025 mg/kg to 100 mg/kg
		Copper	AOAC Ch.9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 500 mg/kg
		Zinc	AOAC Ch.9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
b.	Honey	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 29.0 (AAS/GFAAS) Issue No.: 01 Issue Date: 15/04/2010	0.020 mg/kg to 100 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 28.0 Issue No.: 01 Issue Date: 15/04/2010	0.100 mg/kg to 100 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 28.0 Issue No.: 01 Issue Date: 15/04/2010	0.005 mg/kg to 100 mg/kg

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		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 28.0 Issue No.: 01 Issue Date: 15/04/2010	0.005 mg/kg to 100 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 28.0 Issue No.: 01 Issue Date: 15/04/2010	0.25:5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 28.0 Issue No.: 01 Issue Date: 15/04/2010	0.50:5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 28.0 Issue No.: 01 Issue Date: 15/04/2010	0.50:5000 mg/kg
c.	Herbal Preparations	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 29.0 (AAS) Issue No.: 01 Issue Date: 15/04/2010 AES/TD/RES/SOP 29.0 (GFAAS) Issue No.: 01 Issue Date: 15/04/2010	2 mg/kg to 100 mg/kg 0.5 mg/kg to 100 mg/kg

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		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 29.0 (AAS) Issue No.: 01 Issue Date: 15/04/2010 AES/TD/RES/SOP 29.0 (GFAAS) Issue No.: 01 Issue Date: 15/04/2010	0.2 mg/kg to 100 mg/kg 0.05mg/kg to 100 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 29.0 Issue No.: 01 Issue Date: 15/04/2010	0.25 mg/kg to 100 mg/kg
		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/RES/SOP 29.0 Issue No.: 01 Issue Date: 15/04/2010	0.05 mg/kg to 100 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg /kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg /kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg /kg to 5000 mg/kg

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d.	Emulsion, Oils & Fats & related Products	Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.5 mg /kg to 1000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 1000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 500 mg/kg
		Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.25 mg/kg to 1000 mg/kg
		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 10 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 1000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg

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e.	Spices & Condiments (whole, ground mixed) (Black Pepper, Saffron, Turmeric, Asafoetida, Mustard, Chilli, Coriander)	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	2.5 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	2.5 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg
		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg

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f.	Fruit and vegetable & their products	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.5 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.1 mg/kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 5000 mg/kg
		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg

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g.	Cereal and Cereal Products	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1.25 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.5 mg/kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 5000 mg/kg
		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg

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h.	Alcoholic Beverages	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1.25 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1.00 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.55 mg/kg to 5000 mg/kg
		Iron	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1.00 mg/kg to 5000 mg/Kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1.00 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1.00 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 5000 mg/kg

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		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg
i.	Beverages (other than Dairy and fruit & vegetable) Tea, coffee, chicory & non alcoholic beverages & related products	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.25 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	3.5 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.25 mg/kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 5000 mg/kg

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		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg
j.	Meat and meat products/fish & fish products & related products	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	2.5 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.5 mg/kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 5000 mg/kg

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		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg
k.	Health supplement/ supplementary food	Lead	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	1 mg/kg to 5000 mg/kg
		Copper	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Arsenic	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.5 mg/kg to 5000 mg/kg
		Tin	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	10 mg/kg to 5000 mg/kg
		Zinc	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	5 mg/kg to 5000 mg/kg
		Cadmium	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.75 mg/kg to 5000 mg/kg

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		Mercury	AOAC Ch. 9: 19 th edition: 2012 AES/TD/FOD/SOP 24.0 Issue No.: 02 Issue Date: 30/10/2013	0.05 mg/kg to 5000 mg/kg
		Residues In Water		
1.	Pesticide Residues in Water	Organochlorine Pesticides		
		β -BHC	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 μ g/l to 100 mg/l
		γ -BHC (Lindane)	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 μ g/l to 100 mg/l
		delta -BHC	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 μ g/l to 100 mg/l
		Aldrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 μ g/l to 100 mg/l
		DDT & its Metabolites		
		Chlordane	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 μ g/l to 100 mg/l
		DDD and its isomers	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 μ g/l to 100 mg/l

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		DDE and its isomers	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		DDT and its isomers	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Dieldrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Endosulfan I	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Endosulfan II	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Endosulfan Sulphate	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Endrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Methoxychlor	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Heptachlor	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l

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		Organophosphorus Pesticides		
	Acephate		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Alachlor		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Atrazine		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Butachlor		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Chlorpyriphos		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Diazinon		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Dichlorvos		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
	Dimethoate		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l

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		Ethion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Fenitrothion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Fenthion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Malaoxon	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Malathion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Methyl Paraoxon	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Methyl Parathion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Monocrotophos	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l

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		Parathion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Phorate	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Phorate Sulfone	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Phorate Sulfoxide	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Phosalone	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Phosphamidon	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Simazine	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Synthetic Pyrethroids Cypermethrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l

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		Deltramethrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Fenvalarate	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Permethrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l
		Chlorinated Acids/ Organic Acid Pesticides		
		2,4 D	AES/TD/RES/SOP 1.2 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		2,4,5 T	AES/TD/RES/SOP 1.2 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		Silvex	AES/TD/RES/SOP 1.2 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		Carbamate Pesticides		
		Aldicarb	AES/TD/RES/SOP 1.3 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		Carbofuran	AES/TD/RES/SOP 1.3 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l

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		Carbaryl	AES/TD/RES/SOP 1.3 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		Methomyl	AES/TD/RES/SOP 1.3 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		Propoxur	AES/TD/RES/SOP 1.3 Issue No.: 01 Issue Date: 05/04/2010	0.07 µg/l to 100 mg/l
		Fungicides		
		Maneb	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.08 µg/l to 100 mg/l
		Thiram	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.08 µg/l to 100 mg/l
		Phenyl Urea Herbicides		
		Isoproturon	AES/TD/RES/SOP 1.5 Issue No.: 01 Issue Date: 05/04/2010	0.08 µg/l to 100 mg/l
		Others		
		PAH (Polynuclear Aromatic Hydrocarbons)	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.08 µg/l to 100 mg/l
		PCB (Polychlorinated Biphenyls)	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 µg/l to 100 mg/l

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Residues In Food Products				
1.	Pesticide Residues in Fatty Food (>2% Fat)			
a.	Oilseeds, nuts & high fat feed concentrate	<u>Organochlorine Pesticides</u>		
		beta -BHC	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		gama - BHC (Lindane)	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		delta-BHC	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Aldrin	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlorienvinphos	AES/TD/RES/SOP 67.0 Issue No.: 01 Issue Date: 11/06/2014	0.01 mg/kg to 100 mg/kg
		Chlorobenzilate	AES/TD/RES/SOP 67.0 Issue No.: 01 Issue Date: 11/06/2014	0.01 mg/kg to 100mg/kg
		Carbendazim	AES/TD/RES/SOP 67.0 Issue No.: 01 Issue Date: 11/06/2014	0.01 mg/kg to 100mg/kg
		Benomyl	AES/TD/RES/SOP 67.0 Issue No.: 01 Issue Date: 11/06/2014	0.01 mg/kg to 10mg/kg

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	DDT & its Metabolites Chlordane		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg –to 100 mg/kg
	DDD and its isomers		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to m 100 mg/kg
	DDE and its isomers		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	DDT and its isomers		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Dieldrin		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Endosulfan I		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Endosulfan II		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Endosulfan Sulphate		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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	Endrin		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Methoxychlor		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Heptachlor		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Organophosphorus Pesticides			
	Acephate		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Alachlor		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Atrazine		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Butachlor		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Chlorpyrifos		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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		Diazinon	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Dichlorvos	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Dimethoate	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Ethion	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fenitrothion	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fenthion	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Malaoxon	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Malathion	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

Bhumi Rajyaguru
 Convenor

N. Venkateswaran
 Program Manager

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		Methyl Paraoxon	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Methyl Parathion	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Monocrotophos	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Parathion	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Phorate	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Phorate Sulfone	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Phorate Sulfoxide	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Phosalone	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

Bhumi Rajyaguru
 Convenor

N. Venkateswaran
 Program Manager

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		Phosphamidon	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Simazine	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Synthetic Pyrethroids Cypermethrin	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Deltramethrin	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fenvalarate	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Permethrin	AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlorinated Acids / Organic Acid Pesticides 2,4 D	AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		2,4,5 T	AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Silvex		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Carbamate Pesticides			
	Aldicarb		AES/TD/RES/SOP 2.3 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Carbofuran		AES/TD/RES/SOP 2.3 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Carbaryl		AES/TD/RES/SOP 2.3 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Methomyl		AES/TD/RES/SOP 2.3 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Propoxur		AES/TD/RES/SOP 2.3 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Fungicides			
	Maneb		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Thiram		AES/TD/RES/SOP 2.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
b.	Milk & Dairy Products	Organochlorine Pesticides		
		alpha - BHC	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.001 mg/kg to 100 mg/kg
		beta -BHC	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.001 mg/kg to 100 mg/kg
		gama - BHC (Lindane)	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.001 mg/kg to 100 mg/kg
		delta-BHC	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.001 mg/kg to 100 mg/kg
		Aldrin	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.001 mg/kg to 100 mg/kg
		Benomyl	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Edifenphos	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
	Phenthoate	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg	

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		Pirimiphos-methyl	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Chlorienvinphos	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Paraquat Dichloride	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Trichlorfon	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Carbendazim	AES/TD/RES/SOP 68.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 10 mg/kg
		DDT & its Metabolites DDD and its isomers	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		DDE and its isomers	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		DDT and its isomers	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Dieldrin	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.001 mg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Chlordane	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.002 mg/kg to 100 mg/kg
		Endosulfan I	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Endosulfan II	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Endosulfan Sulphate	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Endrin	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Methoxychlor	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Heptachlor	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.004 mg/kg to 100 mg/kg
		Organophosphorus Pesticides Acephate	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Alachlor	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Atrazine	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Butachlor	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Chlorpyrifos	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Diazinon	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Dichlorvos	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Dimethoate	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Ethion	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Fenitrothion	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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		Fenthion	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Malathion	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.02 mg/kg – 100 mg/kg
		Monocrotophos	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Parathion	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Phorate	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Phosalone	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Phosphamidon	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Simazine	AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Synthetic Pyrethroids		
	Cypermethrin		AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Deltramethrin		AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Fenvalarate		AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Permethrin		AES/TD/RES/SOP 3.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlorinated Acids/Organic Acid Pesticides		
	2,4 D		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.007 mg/kg to 100 mg/kg
	2,4,5 T		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.007 mg/kg to 100 mg/kg
	Silvex		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.007 mg/kg to 100 mg/kg
		Carbamate Pesticides		
	Aldicarb		AES/TD/RES/SOP 3.3 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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		Carbofuran	AES/TD/RES/SOP 3.3 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Carbaryl	AES/TD/RES/SOP 3.3 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Methomyl	AES/TD/RES/SOP 3.3 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Propoxur	AES/TD/RES/SOP 3.3 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
2.	Pesticide Residue in Non- Fatty Food (<2% Fat)			
a.	Fruits & vegetables Green Fodder	Organochlorine Pesticides		
		beta –BHC	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		gama - BHC (Lindane)	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		delta-BHC	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Alpha –BHC	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Aldrin		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	DDT & its Metabolites DDD and its isomers		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	DDE and its isomers		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	DDT and its isomers		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Chlordane		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Dieldrin		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Endosulfan I		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Endosulfan II		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Endosulfan Sulphate		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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	Endrin		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to -100 mg/kg
	Methoxychlor		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Heptachlor		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Organophosphorus Pesticides			
	Acephate		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Alachlor		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to -100 mg/kg
	Atrazine		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Butachlor		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Chlorpyrifos		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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		Diazinon	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Dichlorvos	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Dimethoate	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Ethion	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Fenitrothion	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Fenthion	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Malaoxon	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
		Malathion	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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	Methyl Parathion		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Monocrotophos		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Parathion		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Phorate		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Phosalone		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Phosphamidon		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Simazine		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Dicofol		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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		Synthetic Pyrethroids		
	Cypermethrin		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Deltramethrin		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Fenvalarate		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Permethrin		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlorinated Acids /Organic Acid Pesticides		
	2,4 D		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	2,4,5 T		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Silvex		AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Carbamate Pesticides		
	Aldicarb		AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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		Carbofuran	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Carbendazim	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Carbaryl	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Methomyl	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Propoxur	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fungicides		
		Maneb	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Thiram	AES/TD/RES/SOP 8.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
b.	Cereals, Pulses, Grains & By-Products	Organochlorine Pesticides beta -BHC	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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		gama – BHC	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		delta-BHC	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Aldrin	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		DDT & its Metabolites DDD & its isomers	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		DDE and its isomers	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		DDT and its isomers	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlordane	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Dieldrin	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Endosulfan I	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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	Endosulfan II		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Endosulfan Sulphate		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Endrin		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Methoxychlor		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Heptachlor		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Organophosphorus Pesticides			
	Acephate		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Alachlor		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Atrazine		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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		Butachlor	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlorpyriphos	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Diazinon	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Dichlorvos	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Dimethoate	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Ethion	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fenitrothion	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fenthion	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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	Malathion		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Methyl Paraoxon		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Monocrotophos		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Parathion		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Phorate		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Phosalone		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Phosphamidon		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
	Simazine		AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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		Synthetic Pyrethroids		
		Cypermethrin	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Deltramethrin	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Fenvalarate	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Permethrin	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Chlorinated Acids/ Organic Acid Pesticides		
		2,4 D	AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		2,4,5 T	AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg
		Silvex	AES/TD/RES/SOP 3.2 Issue No.: 01 Issue Date: 05/04/2010	0.010 mg/kg to 100 mg/kg

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		Carbamate Pesticides		
	Aldicarb Sulfoxide		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	0.29 µg/kg to 100 mg/kg
	Aldoxycarb		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	0.41 µg/kg to 100 mg/kg
	Oxamyl		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	0.36 µg/kg to 100 mg/kg
	Methomyl		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	0.29 µg/kg to 100 mg/kg
	3 – hydroxyl carbofuran		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	1.31 µg/kg to 100 mg/kg
	Aldicarb		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	10 µg/kg to 100 mg/kg
	Propoxur		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	10 µg/kg to 100 mg/kg
	Carbofuran		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	10 µg/kg to 100 mg/kg

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	Carbaryl		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	10 µg/kg to 100 mg/kg
	Methiocarb		AES/TD/RES/SOP/10.3 Issue No.: 01 Issue Date: 05/04/2010	10 µg/kg to 100 mg/kg
	Additional Pesticides			
	Isoprothiolane		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Carbendazim		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Benomyl		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Cyfluthrin (sum of isomers)		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Thiophanate-methyl		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Bifenthrin		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg

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	Buprofezin		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Triazophos		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Imadacloprid		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Primiphos-methyl		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	Tricyclazole		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg
	TFNA		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	50 µg/kg to 100 mg/kg
	Flonicamid		AES/TD/RES/SOP/47.0 Issue No.: 01 Issue Date: 0/01/2012	50 µg/kg to 100 mg/kg
	Metconazole		AES/TD/RES/SOP 47.0 Issue No.: 01 Issue Date: 0/01/2012	10 µg/kg to 100 mg/kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Prothioconazole (Prothioconazole-desthio)	AES/TD/RES/SOP 47.0 Issue No.: 01 Issue Date: 0/01/2012	20 µg/kg to 100 mg/kg
		Tebufenozide	AES/TD/RES/SOP 47.0 Issue No.: 01 Issue Date: 0/01/2012	100 µg/kg to 100 mg/kg
		Fungicides Maneb	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.020 mg/kg to 100 mg/kg
		Thiram	AES/TD/RES/SOP 10.1 Issue No.: 01 Issue Date: 05/04/2010	0.020 mg/kg to 100 mg/kg
c.	Spices & Spice Products	<u>Organochlorine Pesticides</u>		
		β-BHC	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		γ - BHC / Lindane,	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Delta-BHC	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Aldrin	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg

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		DDT Metabolites		
		DDD and its isomers	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		DDE and its isomers	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		DDT and its isomers	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Chlordane	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Dieldrin	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Endosulfan I	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Endosulfan II	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
		Endosulfan Sulphate	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg

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	Endrin		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg –100 mg/kg
	Methoxychlor		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Heptachlor		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Organophosphorus Pesticides			
	Acephate		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg –100 mg/kg
	Alachlor		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Atrazine		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Butachlor		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Chlorpyrifos		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg

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	Diazinon		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Dichlorvos		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Dimethoate		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Ethion		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Fenitrothion		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg –100 mg/kg
	Fenthion		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Malathion		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Methyl Parathion		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg

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	Monocrotophos		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Parathion		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Phorate		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Phosalone		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05 mg/kg to 100 mg/kg
	Phosphamidon		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
	Simazine		AES/TD/RES/SOP 7.1	0.05mg/kg to 100 mg/kg
	Synthetic Pyrethroids			
	Cypermethrin		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
	Deltramethrin		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
	Permethrin		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg

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		Carbamate Pesticides		
	Carbofuran		AES/TD/RES/SOP 7.4 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
	Carbaryl		AES/TD/RES/SOP 7.4 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
	Propoxur		AES/TD/RES/SOP 7.4 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
	Dicofol		AES/TD/RES/SOP 7.1 Issue No.: 01	0.01 mg/kg to 100 mg/kg
	Inorganic Bromide		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Dithiocarbamates		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Quinolphos		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Thiophanate Methyl		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Triazophos		AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg

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		Fosetyl –A1	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Propineb	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Fungicides Maneb	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
		Thiram	AES/TD/RES/SOP 7.1 Issue No.: 01 Issue Date: 05/04/2010	0.05mg/kg to 100 mg/kg
d.	Honey	Organochlorine Pesticides		
		HCH & Its ISOMERS α -BHC, β -BHC γ - BHC / Lindane, delta-BHC)	AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		Aldrin	AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
		DDT Metabolites		0.01 mg/kg to 100 mg/kg
		(DDD, DDE, DDT and its isomers)	AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg

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	Chlordane		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Dieldrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Endosulfan I		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Endosulfan II		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Endosulfan Sulphate		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Endrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Methoxychlor		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Heptachlor		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg

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	Organophosphorus Pesticides			
	Acephate		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Alachlor		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Atrazine		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Butachlor		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Chlorpyrifos		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Diazinon		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Dichlorvos		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Dimethoate		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg

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	Ethion		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Fenitrothion		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Fenthion		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Malathion		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Methyl Parathion		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Monocrotophos		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Parathion		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Phorate		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg

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	Phosalone		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Phosphamidon		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Simazine		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Synthetic Pyrethroids Cypermethrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Deltramethrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Fenvalarate		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Permethrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Carbamate Pesticides Carbofuran		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg

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	Carbaryl		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Propoxur		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.01 mg/kg to 100 mg/kg
	Cyfluthrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Cyhalothrin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Amitraz		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Chlorobenzilate		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Vinclozolin		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
	Coumaphos		AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg

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		Malaoxon	AES/TD/RES/SOP 11.1 Issue No.: 01 Issue Date: 05/04/2010	0.005 mg/kg to 100 mg/kg
e	Meat & Meat Product (Meat, Frozen meat, Canned Meat, Fish & Fish Product)	Carbaryl	AES/TD/RES/SOP 66.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Endosulfan	AES/TD/RES/SOP 66.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Hexachlorocyclohexane and its Isomer	AES/TD/RES/SOP 66.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Quinolphos	AES/TD/RES/SOP 66.0 Issue No.: 01 Issue Date: 10/06/2014	0.01 mg/kg to 100 mg/kg
		Veterinary Drug Residues		
a.	Milk & Milk Products	Antibiotic (as B-Lactum)	AES/TD/RES/SOP 13.0 (Delvokit-SP) Issue No.: 01 Issue Date: 05.04.2010	Qualitative
		Chloramphenicol	AES/TD/RES/SOP 12.0 Issue No.: 01 Issue Date: 13.07.2011	0.05 µg/Kg to 1000 µg/Kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Sulfonamides <ul style="list-style-type: none"> ▪ Sulfadimidine ▪ Sulfadiazine ▪ Sulfadimethoxine ▪ Sulfadoxine ▪ Sulfamerazine ▪ Sulfanilamide ▪ Sulfamethoxy-pyridazine ▪ Sulfamethoxazole ▪ Sulfathiazole 	AES/TD/RES/SOP 14.0 Issue No.: 01 Issue Date: 05.04.2010	10 µg/Kg to 1000 µg/Kg
		Tetracycline Group <ul style="list-style-type: none"> ▪ Chlortetracycline & its epimer ▪ Oxytetracycline & its epimer ▪ Tetracycline & its epimer ▪ 	AES/TD/RES/SOP 15.0 Issue No.: 01 Issue Date: 04.11.2011	6.67 µg/kg to 100 mg/kg 10.84 µg/kg to 100 mg/kg 12.07 µg/kg to 100 mg/kg
		Nitrofurans and its metabolites 3-ao-5-morpholinomethyl-2-oxazolidinone (AMTZ)	AES/TD/RES/SOP 17.0 Issue No.: 01 Issue Date: 14.01.2011	0.35 µg/kg to 100 mg/kg
		ao-oxazolidinone (AOZ)	AES/TD/RES/SOP 17.0 Issue No.: 01 Issue Date: 14.01.2011	0.42 µg/kg to 100 mg/kg
		ao-hydantoin (AHD).	AES/TD/RES/SOP 17.0 Issue No.: 01 Issue Date: 14.01.2011	0.46 µg/kg to 100 mg/kg
		semicarbazide (SEM)	AES/TD/RES/SOP 17.0 Issue No.: 01 Issue Date: 14.01.2011	0.57 µg/kg to 100 mg/kg

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		Anthelmintics		
	Metronidazole		AES/TD/RES/SOP 38.0 Issue No.: 01 Issue Date: 07.01.2011	0.18 µg/kg to 100 mg/kg
	Ronidazole		AES/TD/RES/SOP/38.0 Issue No.: 01 Issue Date: 07/01/2011	0.24 µg/kg to 100 mg/kg
	Albendazole		AES/TD/RES/SOP/38.0 Issue No.: 01 Issue Date: 07/01/2011	14.49 µg/kg to 100 mg/kg
	Fenbendazole		AES/TD/RES/SOP/38.0 Issue No.: 01 Issue Date: 07/01/2011	1.14 µg/kg to 100 mg/kg
	Ivermectin		AES/TD/RES/SOP/38.0 Issue No.: 01 Issue Date: 07/01/2011	2.59 µg/kg to 100 mg/kg
	Morantel		AES/TD/RES/SOP/38.0 Issue No.: 01 Issue Date: 07/01/2011	7.02 µg/kg to 100 mg/kg
		Macrolides		
	Erythromycin A		AES/TD/RES/SOP/46.0 Issue No.: 01 Issue Date: 17/07/2011	2.88 µg/kg to 100 mg/kg
	Spiramycin		AES/TD/RES/SOP/46.0 Issue No.: 01 Issue Date: 17/07/2011	18.32 µg/kg to 100 mg/kg

Bhumi Rajyaguru
 Convenor

N. Venkateswaran
 Program Manager

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		Telmicosin	AES/TD/RES/SOP/46.0 Issue No.: 01 Issue Date: 17/07/2011	4.33µg/kg to 100 mg/kg
		Tylosin A	AES/TD/RES/SOP/46.0 Issue No.: 01 Issue Date: 17/07/2011	3.67 µg/kg to 100 mg/kg
		Amin oglycosides Dihydrostreptomycin	AES/TD/RES/SOP 48.0 Issue No.: 01 Issue Date: 26/03/2012	18.75 µg/kg to 100 mg/kg
		Streptomycin	AES/TD/RES/SOP 48.0 Issue No.: 01 Issue Date: 26/03/2012	23.88 µg/kg to 100 mg/kg
		Gentamycin	AES/TD/RES/SOP 48.0 Issue No.: 01 Issue Date: 26/03/2012	17.47 µg/kg to 100 mg/kg
		Kanamycin A	AES/TD/RES/SOP 48.0 Issue No.: 01 Issue Date: 26/03/2012	15.44 µg/kg to 100 mg/kg
		Neomycin B	AES/TD/RES/SOP 48.0 Issue No.: 01 Issue Date: 26/03/2012	222.0 µg/kg to 100 mg/kg
		Spectinomycin	AES/TD/RES/SOP 48.0 Issue No.: 01 Issue Date: 26/03/2012	21.25 µg/kg to 100 mg/kg

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		Others		
		Phenyl Butazone	AES/TD/RES/SOP 16.0 Issue No.: 01 Issue Date: 25/04/2010	4.41 µg/kg to 100 mg/kg
		Sum of Enrofloxacin and ciprofloxacin	AES/TD/RES/SOP/40.0 Issue No.: 01 Issue Date: 02/02/2011	17.19 µg/kg to 100 mg/kg
		Doxycycline	AES/TD/RES/SOP 49.0 Issue No.: 01 Issue Date: 25/11/11	0.59 µg/kg to 100 mg/kg
		Trimethoprim	AES/TD/RES/SOP/39.0 Issue No.: 01 Issue Date: 20/01/2011	1.31 µg/kg to 100 mg/kg
		Thiamphenicol	AES/TD/RES/SOP 12.0 Issue No.: 01 Issue Date: 13/07/2011	6.47 µg/kg to 100 mg/kg
b.	Honey	Chloramphenicol	AES/TD/RES/SOP 57.0 Issue No.: 01 Issue Date: 29/06/2013	0.06 µg/kg to 100 mg/kg
		Nitrofurans		
		• Nitrofurantoin (AHD)	AES/TD/RES/SOP 63.0 Issue No.: 01 Issue Date: 23/09/2013	0.18 µg/kg to 100 mg/kg
		• Furaltadone (AMOZ)	AES/TD/RES/SOP 63.0 Issue No.: 01 Issue Date: 23/09/2013	0.28 µg/kg to 100 mg/kg

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		<ul style="list-style-type: none"> Furazolidone (AOZ) 	AES/TD/RES/SOP 63.0 Issue No.: 01 Issue Date: 23/09/2013	0.16 µg/kg to 100 mg/kg
		<ul style="list-style-type: none"> Nitrofurazone (SEM) 	AES/TD/RES/SOP 63.0 Issue No.: 01 Issue Date: 23/09/2013	0.12 µg/kg to 100 mg/kg
		Anthelmintics		
		<ul style="list-style-type: none"> Metronidazole 	AES/TD/RES/SOP 60.0 Issue No.: 01 Issue Date: 08/08/2013	0.08 µg/kg to 100 mg/kg
		Aminoglycosides		
		<ul style="list-style-type: none"> Dihydrsteptomycin 	AES/TD/RES/SOP 62.0 Issue No.: 01 Issue Date: 21/09/2013	2.87 µg/kg to 100 mg/kg
		<ul style="list-style-type: none"> Streptomycin 	AES/TD/RES/SOP 62.0 Issue No.: 01 Issue Date: 21/09/2013	1.88 µg/kg to 100 mg/kg
		Sulfonamides		
		<ul style="list-style-type: none"> Sulfadimidine 	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.55 µg/kg to 100 mg/kg
		<ul style="list-style-type: none"> Sulfadiazine 	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.93 µg/kg to 100 mg/kg
		<ul style="list-style-type: none"> Sulfadimethoxine 	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	1.40 µg/kg to 100 mg/kg

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		• Sulfadoxine	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.72 µg/kg to 100 mg/kg
		• Sulfamerazine	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.78 µg/kg to 100 mg/kg
		• Sulfanilamide	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.77 µg/kg to 100 mg/kg
		• Sulfamethoxy-pyridazine	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.5 µg/kg to 100 mg/kg
		• Sulfamethizole	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.70 µg/kg to 100 mg/kg
		• Sulfathiazole	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	1.01 µg/kg to 100 mg/kg
		• Sulfamethazine	AES/TD/RES/SOP 58.0 Issue No.: 01 Issue Date: 11/07/2013	0.55 µg/kg to 100 mg/kg
	Tetracyclines			
	Chlorotetracycline and its 4-epimer		AES/TD/RES/SOP 61.0 Issue No.: 01 Issue Date: 23/09/2013	1.0 g/kg to 100 mg/kg
	Oxytetracycline and its 4-epimer		AES/TD/RES/SOP 61.0 Issue No.: 01 Issue Date: 23/09/2013	1.14 µg/kg to 100 mg/kg

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		Tetracycline and its 4-epimer	AES/TD/RES/SOP 61.0 Issue No.: 01 Issue Date: 23/09/2013	2.79 µg/kg to 100 mg/kg
		Macrolides Tylosin A	AES/TD/RES/SOP 59.0 Issue No.: 01 Issue Date: 27/07/2013	0.69 µg/kg to 100 mg/kg
		Mycotoxins		
a.	Milk & Dairy Products	Aflatoxin M1	AES/TD/RES/SOP 26.0 Issue No.: 01 Issue Date: 27/01/2011	0.01 µg/kg to 100 mg/kg
b.	Cereals, Pulses, Grains, nuts & By-products	Aflatoxins B1	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.27µg/kg to 100 mg/kg
		Aflatoxins B2	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.36 µg/kg to 100 mg/kg
		Aflatoxins G1	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.18 µg/kg to 100 mg/kg
		Aflatoxins G2	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.16 µg/kg to 100 mg/kg
		<i>Ochratoxin A</i>	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.01 µg/kg to 100 mg/kg

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		<i>Deoxynivalenol</i>	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	200 µg/kg to 100 mg/kg
c.	Animal Feeds	Aflatoxins B1	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.01 µg/kg to 100 mg/kg
		Aflatoxins B2	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.01 µg/kg to 100 mg/kg
		Aflatoxins G1	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.01 µg/kg to 100 mg/kg
		Aflatoxins G2	AES/TD/RES/SOP 31.0 Issue No.: 01 Issue Date: 30/03/2010	0.01 µg/kg to 100 mg/kg
d.	Spices & Condiments (whole, ground mixed)	<i>Aflatoxins B1</i>	AES/TD/RES/SOP 65.0 Issue No.: 01 Issue Date: 21/05/2014	0.5 µg/kg to 100 mg/kg
		<i>Aflatoxins B2</i>	AES/TD/RES/SOP 65.0 Issue No.: 01 Issue Date: 30/03/2010	0.5 µg/kg to 100 mg/kg
		<i>Aflatoxins G1</i>	AES/TD/RES/SOP 65.0 Issue No.: 01 Issue Date: 30/03/2010	0.5 µg/kg to 100 mg/kg

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		<i>Aflatoxins G2</i>	AES/TD/RES/SOP 65.0 Issue No.: 01 Issue Date: 30/03/2010	0.5 µg/kg to 100 mg/kg
II.	AIR,GASES & ATMOSPHERE			
1.	Air & Gases Ambient Air Quality Monitoring	Suspended Particulate Matter (SPM)	IS 5182 (Part 4): 1999 (RA 2005)	20 µg/m ³ to 1000 µg/m ³
		Oxides of Nitrogen (NO _x)	IS 5182(Part 6): 2006	5.0 µg/m ³ to 100 µg/m ³
		Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001	5.0 µg/m ³ to 100 µg/m ³
		Carbon Monoxide (CO)	IS:5182 (Part 10): 1999 (RA 2003)	1.0 µg/m ³ to 20 µg/m ³
		Respirable suspended Particulate Matter (RSPM- PM 10)	IS:5182 (Part 23):2006 (RA 2006)	20 µg/m ³ to 1000 µg/m ³
		PM-2.5	AES/TD/ENV/SOP 7.0 Issue No-01 Issue date:01/07/2010	1.0 µg/ m ³ to 200 µg/ m ³
		Ozone(O ₃)	IS 5182 (Part 9):1974	10.0 µg/ m ³ to 200 µg/ m ³
		Lead(as Pb)	AES/TD/ENV/SOP 14.0 Issue No-01 Issue date:01/07/2010	0.1 µg/ m ³ to 100 µg/ m ³
		Ammonia	APHA method 82 Second Edition:1971	10.0 µg/ m ³ to 500 µg/ m ³

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		Benzo(a) pyrene	AES/TD/ENV/SOP 12.0 Issue No-01 Issue date:01/07/2010	0.1 µg/ m ³ to 100 µg/ m ³
		Arsenic	AES/TD/ENV/SOP 14.0 Issue No-01 Issue date:01/07/2010	0.1 µg/ m ³ to 100 µg/ m ³
		Nickel	AES/TD/ENV/SOP 14.0 Issue No-01 Issue date:01/07/2010	0.1 µg/ m ³ to 100 µg/ m ³
		Benzene	AES/TD/ENV/SOP 13.0 Issue No-01 Issue date:01/07/2010	1.0 µg/ m ³ to 500 µg/ m ³
2.	Stack Emission Monitoring	Particulate Matter (PM)	IS 11255 (Part 1): 1985	20 mg/m ³ to 500 mg/m ³
		Sulphur Dioxide (SO ₂)	IS 11255 (Part 2): 1985	5.0 mg/m ³ to 250 mg/m ³
		Oxides of Nitrogen (NO _x)	USEPA Method-7-(C) IS 11255 (Part 7): 2005	4.0 mg/m ³ to 400 mg/m ³
		Carbon Monoxide (CO)	IS 13270: 1992	1.0 % to 5.0 %
		CO ₂	IS 13270: 1992	1.0 % to 20 %
3.	Noise Ambient and source	Noise Levels Leq dB(A)	IS 9876: 1981	34 dB to 134 dB
		Noise Levels Source	IS 4758: 1968	34 dB to 134 dB

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III. POLLUTION & EFFLUENT				
1.	Effluent/ Waste Water	Colour	APHA – 2120 B: 21st Edition IS 3025 (Part 4): 1983	Qualitative
		Suspended Solids mg/l, max	APHA – 2540(D): 21st Edition IS 3025(Part 17): 1984	1.0 mg/l to 10,000 mg/l
		pH value	APHA - 4500 H (B) 21st Edition / IS 3025(Part 11): 1983	1.0 to 14
		Temperature	APHA-2550 (B) 21st Edition / IS 3025(Part 9): 1984	1.0 °C to 100 °C
		Oil & Grease	APHA-5520 21st Edition / IS 3025 (Part 39): 1991	1 mg/l to 1000 mg/l
		Total Residual chlorine	IS 3025 (Part 26): 1986	1.0 mg/l to 5000 mg/l
		Ammoniacal nitrogen (as N)	APHA-4500 NH3 (B/C -21st Edition/ IS 3025(Part 34): 1988	1.0 mg/l to 100 mg/l
		Total kjeldahl Nitrogen (as N)	APHA -4500 Norg (B) & (C) 21st Edition / IS 3025 (Part 34): 1988	0.1 mg/l to 100 mg/l
		Dissolved Oxygen	APHA - 4500 –O 21st Edition / IS 3025 (Part 34): 1988	1 mg/l to 20 mg/l
		Biochemical Oxygen demand (3 & 5 days at 27°C)	IS 3025 (Part 44) :1993 APHA-5210 (B) 21st Edition	2.0 mg/l to 1, 00,00 mg/l

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		Chemical Oxygen Demand (COD)	APHA-5220 – B : 21st Edition / IS 3025(Part 58): 2006	1.0 mg/l to 100, 000 mg/l
		Arsenic (as As)	APHA-3500 As - (B) 21st Edition / 3114 (C) 21st Edition IS 3025(Part 37): 1988/ APHA-3125(B) : 21st Edition	0.025 mg/l to 20 mg/l
		Mercury (as Hg)	IS 3025 (Part 48) :1994/ APHA-3125(B) : 21st Edition	0.005 mg/l to 50 mg/l
		Lead (as Pb)	APHA – 3111(B) 21st Edition / IS 3025(Part 47): 1994/ APHA-3125(B) : 21st Edition	0.2 mg/l to 50 mg/l
		Cadmium (as Cd)	APHA – 3111 (B) 21st Edition / IS 3025(Part 41): 1992/ APHA-3125(B) : 21st Edition	0.010 mg/l to 10 mg/l
		Hexavalent chromium (as Cr ⁺⁶)	APHA – 3500Cr (B) 21st Edition	0.01 mg/l to 10 mg/l
		Total Chromium (as Cr)	APHA -3111 (B) 21st Edition / APHA-3500(B) 21st Edition / IS 3025(Part 52): 2003/ APHA-3125(B) : 21st Edition	0.1 mg/l to 50 mg/l
		Copper (as Cu)	APHA 3111 (B) 21st Edition IS 3025(Part 42): 1992/ APHA-3125(B) : 21st Edition	0.1 mg/l to 50 mg/l
		Zinc (as Zn)	APHA 3111 (B) 21st Edition / IS-3025(Part 49): 1994/ APHA-3125(B) : 21st Edition	0.001 mg/l to 100 mg/l

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		Nickel (as Ni)	APHA 3111 (B) 21st Edition / IS-3025(Part 54): 2003/ APHA-3125(B) : 21st Edition	0.2 mg/l to 1000 mg/l
		Cyanide (as CN)	APHA -4500 CN (C)/(D)/(E) 21st Edition	0.1 mg/l to 500 mg/l
		Fluoride (as F)	APHA - 4500 F - (D) 21st Edition	0.1 mg/l to 100 mg/l
		Phosphates (as PO ₄)	APHA 4500 P - (D) 21st Edition	0.010 mg/l to 100 mg/l
		Sulphide (as S)	APHA-4500 S2 D -F 21st Edition / IS 3025 (Part 29):1986	1 mg/l to 500 mg/l
		Phenolic Compounds (as C ₆ H ₅ OH)	APHA – 5530(C) 21st Edition / IS 3025 (Part 43):1992	0.02 mg/l to 100 mg/l
		Manganese (as Mn)	APHA – 3111 (B) 21st Edition/APHA-3125(B) : 21st Edition	0.02 mg/l to 100 mg/l
		Conductivity	APHA – 2510 (B) 21st Edition / IS 3025 (Part 14):1992	0.5 μ mhos/cm to 5,000 μ mhos/cm
		Sodium (as Na)	APHA-3500 Na -(B) 21st Edition / IS 3025 (Part 45):1993/ APHA-3125(B) : 21st Edition	1 mg/l to 20000 mg/l
		Boron(as B)	APHA - 4500 - B (B) 21st Edition / IS 3025 (Part 57):2005/ APHA-3125(B) : 21st Edition	0.1 mg/l to 100 mg/l

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		TDS	APHA-2540 (C) 21st Edition / IS 3025 (Part 16):1984	1 mg/l to 50, 000 mg/l
		Sulphates (as SO ₄)	APHA 4500 SO4 (E) 21st Edition / IS 3025 (Part 24):1986	1 mg/l to 2000 mg/l
		Chlorides(as Cl)	APHA - 4500 Cl- (B) / (C) 21st Edition / IS 3025 (Part 32):1988	1 mg/l to 5000 mg/l
		Total Iron	IS 3025 (Part 53): 2003 APHA-3111 (B)/3500 Fe - B/APHA-3125(B) :21st Edition	0.1 mg/l to 100 mg/l
		Magnesium (as Mg)	IS 3025 (Part 46): 1994 APHA-3500 Mg- (B) 21st Edition/APHA-3125(B) : 21st Edition	1 mg/l to 1000 mg/l
		Potassium (as K)	IS 3025 (Part 45): 1993 APHA-3500 K - (B) 21st Edition/APHA-3125(B) : 21st Edition	1 mg/l to 1000 mg/l
		Odour	IS 3025 (Part 5): 1983	Qualitative
		Selenium (asSe)	APHA 3113 B :18 th edition IS 3025 (Part 56): 2003/ APHA-3125(B) :21st Edition	0.01 mg/l to 10 mg/l

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		Aluminium (as Al)	IS 3025 (Part 55): 2003/ APHA 3113B 21st Edition / APHA 3111B :21st Edition/ APHA-3125(B) : 21st Edition	1 mg/l to 10 mg/l
		Sulphide	IS 3025 (Part 29): 1986	0.1 mg/l to 10 mg/l
		Nitrate (as NO ₃ / N)	IS 3025 (Part 34): 1988	0.2 mg/l to 200 mg/l
		Vanadium (as V)	APHA-3111 D 21st Edition/ APHA-3125(B) :21st Edition	0.2 mg/l to 10 mg/l
		Free Ammonia	IS 3025 (Part 34) 1998	0.1 mg/l & Above
		Particle Size of Suspended Solids (>850 μ)	AES/TD/ENV/SOP 58.0	1.0 mg/l to 1000 mg/l
		Volatile organic compound (VOC)	USEPA 8260C:2006/ 5030C:2003	1.0 μg/l to 1000 mg/l
		Semi Volatile organic compound (SVOC)	USEPA 3510C:1996/ 8270C:1996	1.0 μg/l to 1000 mg/l
		Total Suspended Solid	IS 3025(Part 17):1984	1.0 mg/l to 1000 mg/l
		Calcium (as Ca)	APHA 3500 Ca - (B) : 21st Edition/ IS 3025(Part 40):1991/ APHA 3111(B) : 21st Edition	1.0 mg/l to 1000 mg/l
		Magnesium (as Mg)	APHA 3500 Mg - (B) : 21st Edition / IS 3025(Part 46):1994/ APHA 3111(B) : 21st Edition/ APHA-3125(B) : 21st Edition	1.0 mg/l to 1000 mg/l

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		Total Hardness (as CaCO ₃)	APHA 2340 (C) : 21st Edition / IS 3025(Part 21):2009	1.0 mg/l to 2000 mg/l
		Anionic Surfactant	APHA 5540 (c): 21st Edition	0.1 mg/l to 100 mg/l
		Sodium Absorption Ratio	AES/TD/ENV/SOP 54.0 Issue No.: 01 Issue Date: 05/04/2010	1 to 1000
		Ammonia	IS 3025(Part 34):1988	0.05 mg/l to 100 mg/l
		Cobalt (as C0)	APHA 3111(B) : 21st Edition/ APHA-3125(B) : 21st Edition	0.05 mg/l to 100 mg/l
		Turbidity	IS 3025(Part 10):1984	1 NTU to 1000 NTU
2.	Hazardous Waste/ Sludge/ Soil (For Metals-Digestion USEPA 3050B- Alkali Fusion if required/ USEPA 3052)	Chromium (as Cr)	EPA SW 846 Method 7190:1986	5.0 mg/kg to 10,000 mg/kg
		Copper (as Cu)	EPA SW 846 Method 7210:1986	3.0 mg/kg to 10,000 mg/kg
		Iron (as Fe)	EPA SW 846 Method 7380:1986	5.0 mg/kg to 10,000 mg/kg
		Lead (as Pb)	EPA SW 846 Method 7420:1986	10 mg/kg to 5000 mg/kg
		Magnesium (as Mg)	EPA SW 846 Method 7450:1986	1.0 mg/kg to 10,000 mg/kg
		Manganese (as Mn)	EPA SW 846 Method 7460:1986	3.0 mg/kg to 5000 mg/kg
		Nickel (as Ni)	EPA SW 846 Method 7520:1986	10 mg/kg to 8000 mg/kg

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		Potassium (as K)	EPA SW 846 Method 7610:1986	10 mg/kg to 10,000 mg/kg
		Zinc (as Zn)	EPA SW 846 Method 7950:1986	2.0 mg/kg to 10,000 mg/kg
		Oil & Grease	EPA SW 846 Method 3540C:1996 / APHA-5520E:21st Edition	10 mg/kg to 120000 mg/kg
		Sulphate	EPA SW 846 Method 9038:1986	10 mg/kg to 10,000 mg/kg
		Chloride	EPA SW 846 Method 9253:1986	10 mg/kg to 5000 mg/kg
		pH	EPA SW 846 Method 9045C:1995	1 to 14
		Ignitability	EPA SW 846 Method 1010:1986	40 °C to 350 °C
		Cadmium (as Cd)	USEPA-846 Method 7130:1986	0.5 mg/kg to 1000 mg/kg
		Mercury (as Hg)	USEPA-846 Method 7471 A:1994	0.01 mg/kg to 1000 mg/kg
		Chromium (Hexavalent) (as Cr ⁺⁶)	USEPA-846 Method 7196 A:1992	1.0 mg/kg to 1000mg/kg
		Vanadium(as V)	USEPA-846 Method 7910:1986	2.0 mg/kg to 1000 mg/kg
		Aluminium (as Al)	USEPA-846 Method 7020:1986	10 mg/kg to 10,000 mg/kg

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		Sodium (as Na)	USEPA-846 Method 7770:1986	10 mg/kg to 5000 mg/kg
		Selenium (as Se)	USEPA-846 Method 7741 A:1994	0.1 mg/kg to 1000 mg/kg
		Arsenic (as As)	USEPA-846 Method 7061 A:1992	0.1 mg/kg to 1000 mg/kg
		Cyanide (as CN)	USEPA-846-9014:1986	1.0 mg/Kg to 1000 mg/Kg
		Conductivity	APHA-2510 (B) 21st Edition / IS 3025 (Part 14) 1984	1.0 μ S/cm to 10000 μ S/cm
		Total Kjeldhal Nitrogen	APHA 4500 N _{org} (B) & (C) 21st Edition / IS 3025 (Part 34) 1998	10 mg/kg to 1000 mg/kg
		Phosphate (as P, PO ₄ , P ₂ O ₅)	AES/TD/ENV/SOP 59.0 Issue No.: 01 Issue Date: 01/08/2012	2 mg/kg to 10,000 mg/kg
		Volatile organic compound (VOC)	USEPA 5035C:2003/ 8260 C: 2006	250 μ g/kg to 1000 mg/kg
		Semi Volatile organic compound (SVOC)	USEPA 3510C:1996/ 8270 C: 1996	250 μ g/kg to 1000 mg/kg
		Organic carbon/matter	IS 2720(Part 22):1972	0.1 to 10,000
		Nitrate (NO ₃ /N)	USEPA-SW-846 9210:2007	0.005 to 5000
		Total Soluble Salt	IS 2720(Part 21):1977	0.005 to 5000

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		Fluoride (as F)	USEPA-SW-846 9214:1996	0.01 to 5000
		Moisture	IS 2720 (Part 2):1970	0.1 % to 50 %
		Gross calorific Value	IS 1350(Part 2):1970	100 cal/gm to 10000 cal/gm
		Calcium (as Ca)	USEPA-SW-846 Method-7140:1986	1.0 mg/kg to 1,00,000 mg/kg
		Titanium (as Ti)	USEPA-SW-846-3050B:1996/3052:2006	1.0 mg/kg to 10,000 mg/kg
		Silver (as Ag)	USEPA-SW-846 Method-7760A:1992	1.0 mg/kg to 10,000 mg/kg
		Tin (as Sn)	USEPA-SW-846 Method-7870:1986	1.0 mg/kg to 10,000 mg/kg
		Antimony	USEPA-SW-846 Method-7040:1986	5.0 mg/kg to 10,000 mg/kg
3.	Soil/Sludge/Solid Waste	n-Hexane Extractable Material/Total Petroleum Hydrocarbons (TPH)	USEPA 9071B:1998	20 mg/kg to 10,000 mg/kg
		Aluminium (as Al)	USEPA 6010C:2007	10 mg/kg to 10,000 mg/kg
		Antimony (as Sb)	USEPA 6010C:2007	10 mg/kg to 10,000 mg/kg
		Arsenic (as As)	USEPA 6010C:2007	10 mg/kg to 10,000 mg/kg

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		Barium (as Ba)	USEPA 6010C:2007	2.0 mg/kg to 10,000 mg/kg
		Beryllium (as Be)	USEPA 6010C:2007	2.0 to 10,000 mg/kg
		Boron (as B)	USEPA 6010C:2007	2.0 mg/kg to 10,000 mg/kg
		Cadmium (as Cd)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Calcium (as Ca)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Chromium (as Cr)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Cobalt (as CO)	USEPA 6010C:2007	2.0 mg/kg to 10,000 mg/kg
		Copper (as Cu)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Iron (as Fe)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Lead (as Pb)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Lithium (as Li)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Magnesium (as Mg)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg

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		Manganese (as Mn)	USEPA 6010C:2007	2.0 mg/kg to 10,000 mg/kg
		Mercury (as Hg)	USEPA 6010C:2007	2.0 mg/kg to 10,000 mg/kg
		Molybdenum (as MO)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Nickel (as Ni)	USEPA 6010C:2007	3.0 mg/kg to 10,000 mg/kg
		Phosphorus (as PO ₄)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Potassium (as K)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Selenium (as Se)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Silica(SiO ₂)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Silver (as Ag)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Sodium (as Na)	USEPA 6010C:2007	5.0 mg/kg to 10,000mg/kg
		Strontium (as Sr)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg

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Convenor

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Program Manager

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		Thallium (as Tl)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Tin (as Sn)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Titanium (as Ti)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Vanadium (as V)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
		Zinc (as Zn)	USEPA 6010C:2007	5.0 mg/kg to 10,000 mg/kg
IV.	WATER			
1.	Surface Water & Ground water, Swimming Pool Water (IS-3328 :1993) Construction Water (IS 456:2000) Food Processing Water (IS 4251:1967)	Acidity	IS 3025 (Part 22): 1986	1.0 mg/l to 500 mg/l
		Alkalinity	IS 3025 (Part 23): 1998	1.0 mg/l to 5000 mg/l
		Aluminium (as Al)	APHA 3500 Al -(B) : 21st Edition / IS 3025 (Part 55):2003/ APHA-3125(B) : 21st Edition	0.01 mg/l to 100 mg/l
		Arsenic (as As)	APHA-3500 As -B&3114-C:21st Edition / IS 3025 (Part 37):1988/ APHA-3125(B) : 21st Edition	0.01 mg/l to 100 mg/l
		Boron (as B)	APHA-4500 B- (B) :21st Edition IS 3025 (Part 57):2005/ APHA-3125(B) : 21st Edition	0.05 mg/l to 100 mg/l

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		Cadmium (as Cd)	APHA 3111 (B) :21st Edition / IS 3025 (Part 41):1992/ APHA-3125(B) : 21st Edition	0.004 mg/l to 100 mg/l
		Calcium (as Ca)	APHA-3500 Ca -(B) :21st Edition IS 3025 (Part 40):1991/ APHA-3125(B) : 21st Edition	1 mg/l to 1000 mg/l
		Chloride	APHA-4500 Cl- (B) :21st Edition / IS 3025 (Part 32):1988	1.0 mg/l to 5, 000 mg/l
		Chromium (as Cr)	APHA 3111 (B) :21st Edition / IS 3025 (Part 52):2003/ APHA 3500Cr - (B) / APHA-3125(B) : 21st Edition	0.010 mg/l to 100 mg/l
		Colour/Appearance	APHA-2120 (B) :21st Edition / IS 3025 (Part 4):1983	Visual / (1-1000) Hazen
		Conductivity	APHA-2510:21st Edition / IS 3025 (Part 14):1984	1 µmhos/cm to 4,000 µmhos/cm
		Copper (as Cu)	APHA 3111 (B) :21st Edition / IS 3025 (Part 36):1987/ APHA-3125(B) : 21st Edition	0.02 mg/l to 100 mg/l
		Cyanide (as CN)	APHA-4500 CN - (C & E) : 21st Edition / IS 3025 (Part 27)-1986	0.010 mg/l to 2 mg/l
		Anionic Surfactant	APHA-5540:21st Edition / Annexure K of IS-13428-2005	0.10 mg/l to 100 mg/l

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		Dissolved Oxygen	APHA-4500 O- (C) & (G) : 21st Edition / IS 3025 (Part 38):1989	1 mg/l to 20 mg/l
		Total Solids (Inorganic/Organic)	APHA-2540(B) & (E) : 21st Edition / IS 3025 (Part 18):1984	1 mg/l to 10, 000 mg/l
		Fluoride (as F)	APHA-4500 F- (D) :21st Edition	0.1 mg/l to 100 mg/l
		Iron (as Fe)	APHA 3111 (B) :21st Edition / IS 3025 (Part 53):2003/ APHA-3125(B) : 21st Edition	0.01 mg/l to 100 mg/l
		Lead (as Pb)	APHA 3111 (B) :21st Edition / IS 3025 (Part 47):1994/ APHA-3125(B) : 21st Edition	0.01 mg/l to 100 mg/l
		Magnesium (as Mg/ CaCO ₃)	APHA-3500 Mg - (B) : 21st Edition / IS 3025 (Part 46):1994/ APHA-3125(B) : 21st Edition	1 mg/l to 1000 mg/l
		Manganese (as Mn)	APHA-3111 (B) :21st Edition / IS 3025 (Part 59) / APHA-3125(B) : 21st Edition	0.02 mg/l to 100 mg/l
		Mercury (as Hg)	IS 3025 (Part 48) – 1999/ APHA-3125(B):21st Edition	0.005 mg/l to 50 mg/l
		Nickel (as Ni)	APHA 3111 (B) :21st Edition / IS 3025 (Part 54):2003/ APHA-3125(B) : 21st Edition	0.03 mg/l to 50 mg/l

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		Nitrate (NO ₃ / N)	IS:3025 (Part 34):1988	0.1 mg/l to 200 mg/l
		Neutralization Value (H ₂ SO ₄ /NaOH)	IS 456: 2000	0.1 mg/l to 100 ml
		Odour	IS3025 (Part 5) : 1983	Qualitative
		Mineral Oil	APHA – 5520 (B) :21st Edition / IS 3025 (Part 39):1991	0.01 mg/l to 100 mg/l
		pH Value	APHA –4500 H ⁺ (B) : 21st Edition / IS 3025 (Part 11):1983	1 to 14
		Phenolic Compound	APHA 5530 (C) & (D) : 21st Edition / IS 3025 (Part 43):2003	0.005 mg/l to 100 mg/l
		Phosphorus (as P / PO ₄)	APHA-4500 P - (D) : 21st Edition / IS 3025 (Part 31):1988	0.01 mg/l to 100 mg/l
		Potassium (as K)	APHA 3500 (B) :21st Edition / IS 3025 (Part 45):1993/ APHA-3125(B) : 21st Edition	1 mg/l to 1000 mg/l
		Residual Free Chlorine	IS 3025(Part 6):1986(Photometric)	0. 1 mg/l to 10 mg/l
		Salinity	APHA-2520 (B) :21st Edition	0.1 mg/l to 1000 mg/l
		Silica (as Si)	APHA-4500 SiO ₂ (C) / (D) :21st Edition/APHA-3125(B) : 21st Edition / IS 3025 (Part 35):1988	0.02 mg/l to 100 mg/l

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	Sodium (as Na)		APHA 3500 Na - (B) :21st Edition IS 3025 (Part 45):1993/ APHA-3125(B) : 21st Edition	1.0 mg/l to 10,000 mg/l
	Sulphate (as SO ₄)		APHA-4500 SO ₄ (E) : 21st Edition / IS 3025 (Part 24):1986	1 mg/l to 1000 mg/l
	Sulphide (as S)		APHA-4500 S ² (F) :21st Edition / IS 3025 (Part 29):1986	1 mg/l to 100 mg/l
	Total Dissolved Solids		APHA-2540 (C) :21st Edition / IS 3025 (Part 16):1984	1 mg/l to 10,000 mg/l
	Total Hardness		APHA-2340 (C) :21st Edition / IS 3025 (Part 21):2009	1 mg/l to 5000 mg/l
	Total Kjeldhal Nitrogen (as N)		APHA -4500 N _{org} (B) & (C) : 21st Edition / IS 3025 (Part 34):1988	0.1 mg/l to 1000 mg/l
	Turbidity		APHA-2130 (B) :21st Edition / IS 3025 (Part 10):1984	1 NTU to 1000 NTU
	Zinc (as Zn)		APHA 3111 (B) :21st Edition / IS 3025 (Part 49):1994/ APHA-3125(B) : 21st Edition	0.05 mg/l to 50 mg/l
	Oxygen Absorption by KMnO ₄ at 27 Deg C		IS 3328: 1993	0.1 mg/l to 100 mg/l
	Semi Volatile organic compound (SVOC)		USEPA 525.2:1995	1.0 µg/l to 1000 mg/l

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		Taste	IS 3025 (Part 8): 1984	Qualitative
		Nitrite (as NO ₂)	IS 3025 (Part 34): 1988 / APHA 4500 NO ₂ - B : 21st Edition	0.01 mg/l 100 mg/l
		Chemical Oxygen Demand (COD)	IS 3025 (Part 58): 2006	1.0 mg/l to 1000 mg/l
		Biological Oxygen Demand (BOD)	IS 3025 (Part 44): 1993 APHA-5210 (B) 21st Edition	1.0 mg/l to 1000 mg/l
		Chlorine Demand	IS 3025 (Part 25): 1986	0.1 mg/l to 1000 mg/l
		CO ₂ free/dissolved	APHA 4500 CO ₂ (C)/(D) : 21st Edition	1.0 mg/l to 50 mg/l
		Selenium (as Se)	IS 3025(Part 56):2003/ APHA 3111(B):21st Edition/ APHA 3114:21st Edition/ APHA-3125(B) : 21st Edition	0.005 mg/l to 200 mg/l
		Ammonia	IS 3025(Part 34):1988	0.1 mg/l to 100 mg/l
		Bicarbonates	IS 3025(Part 51):2001	1 mg/l to 500 mg/l
		Carbonates	IS 3025(Part 51):2001	1 mg/l to 500 mg/l
		Total suspended solids	IS 3025(Part 17):1984/ APHA 2540(D):21st Edition	1 mg/l to 500 mg/l
		Molybdenum (as Mo)	APHA 3111(D):21st Edition/APHA-3125(B) : 21st Edition	0.2 mg/l to 100 mg/l

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		Tin (as Sn)	APHA 3111(B): 21st Edition/APHA-3125(B) : 21st Edition	0.5 mg/l to 1000 mg/l
		Silver	APHA 3113 (B) :21st Edition / Annex.J of IS 13428:1998/ APHA-3120(B) : 21st Edition	0.05 mg/l to 100mg/l
		Chloramines(as Cl ₂)	IS 3025 (Part 26): 1986/APHA4500 toCl G	0.1 mg/l to 1000 mg/l
		Barium(as Ba)	APHA 3113(B): 21st Edition/APHA-3120(B) : 21st Edition/IS 15302	0.2 to 100 mg/L
		Neutralization Value (HCl)	AES/ENV/SOP 60.0	0.1 to 100 ml
2.	Packaged Drinking Water	Aluminum (as Al)	IS 3025 (Pt.55)- 2003 IS 15302-2004 / PHA 3113B:21st Edition / APHA 3111B:21st Edition/ APHA-3125(B) : 21st Edition	3.0 µg/l to 10 mg/l
		Alkalinity	IS 3025 (Part 23): 1986	1 mg/l to 1000 mg/l
		Antimony (as Sb)	IS 13428 (Annex. G)-2005 / IS 15303-2003 / APHA 3113B:21st Edition / APHA 3111B:21st Edition/ APHA-3125(B) : 21st Edition	0.0075 mg/l to 40 mg/l

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	Arsenic (as As)		IS 3025 (Pt.37) - 1988 / IS 2088-1983 / APHA 3500 As -B :21st Edition / APHA 3113B:21st Edition/ APHA-3125(B) : 21st Edition	0.005 mg/l to 10 mg/l
	Barium(as Ba)		IS 13428 (Annex. F) / IS 15302- 2004 / APHA3111D:21st Edition / APHA 3113B:21st Edition/ APHA-3125(B) : 21st Edition	0.01 mg/l to 40 mg/l
	Borate (as B)		IS 13428 (Annex. H) – 1998/APHA-3125(B) : 21st Edition	0.1 mg/l to 100 mg/l
	Cadmium (as Cd)		IS 3025 (Pt. 41) - 1992 / APHA 3113 B :21st Edition / APHA 3111B:21st Edition/ APHA-3125(B) : 21st Edition	0.004 mg/l to 10 mg/l
	Calcium (as Ca)		APHA-3500 Ca - (B) : 21st Edition / IS 3025 (Part 40):1991/ APHA-3125(B) : 21st Edition	1 mg/l to 500 mg/l
	Chloride		APHA-4500 Cl - (B) : 21st Edition / (C) :21st Edition / IS 3025 (Part 32):1988	1 mg/l to 1000 mg/l
	Chromium (as Cr)		IS 13428 (Annex. J) - 2005 / APHA 3113B/APHA-3125(B) : 21st Edition	0.0005 mg/l to 10 mg/l

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		Colour (true colour unit)	IS 3025 (Pt.4) : 1983	> 1 Hazen
		Copper (as Cu)	APHA 3111 (B) :21st Edition / IS 3025 (Part 42):1992/ APHA-3125(B) : 21st Edition	0.02 mg/l to 4 mg/l
		Cyanide (as CN)	IS 3025 (Pt.27) - 1986/ APHA 4500 CN ⁻ (C) : 21st Edition / (E) :21st Edition	0.002 mg/l to 2.0 mg/l
		Anionic Surfactant	APHA-5540:21st Edition / Annexure K of IS-13428	0.01 mg/l to 10 mg/l
		Fluoride (as F)	APHA-4500 F ⁻ (D) : 21st Edition / IS 3025 (Clause 23)/ IS 3025P-60:2002	0.1 mg/l to 10 mg/l
		Iron(as Fe)	APHA 3500Fe - (B) : 21st Edition / 3111 (B) / 3113 (B) /: 21st Edition IS 3025 (Part 53):2003/ APHA-3125(B) : 21st Edition	0.05 mg/l to 80 mg/l
		Lead (as Pb)	APHA 3113B:21st Edition / APHA 3111B:21st Edition / IS 3025 (Part 47):1994/ APHA-3125(B) : 21st Edition	0.005 mg/l to 20 mg/l
		Magnesium (as Mg)	APHA-3500 Mg - (B) : 21st Edition / IS 3025 (Part 46):1994/ APHA-3125(B) : 21st Edition	1 mg/l to 100 mg/l

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		Manganese (as Mn)	APHA-3111 (B) :21st Edition / IS 3025 (Clause 35)-1988 (Part 42)-1992 /APHA-3125(B) : 21st Edition	0.015 mg/l to 40 mg/l
		Mercury (as Hg)	APHA[3112B :21st Edition / APHA 3113B :21st Edition / IS 3025 (Part 48) -1994	0.005 mg/l to 100 mg/l
		Min eral Oil	IS 3025 (Part 39) : 1996 / FTIR	0.01 mg/l to 10 mg/l
		Nickel (as Ni)	APHA 3113B :21st Edition / APHA 3111B :21st Edition / IS 13428 (Annex L) – 1998 APHA-3125(B) : 21st Edition	0.005 mg/l to 10 mg/l
		Nitrate (as NO ₃)	IS: 3025 (part 34): 1988	0.1 mg/l to 100 mg/l
		Nitrite (as NO ₂)	IS 3025 (Part 34): 1988 / APHA 4500 NO ₂ - B:21st Edition	0.01 mg/l to 100 mg/l
		Odour	IS3025:1983 (Part 5)	Qualitative
		pH Value	APHA –4500 H ⁺ :21st Edition / IS 3025 (Part 11):1983	1 to 14
		Phenolic Compounds	IS 3025:1992 (Part 43) / APHA 5530 (C) :21st Edition / (D) :21st Edition	0.001 mg/l to 5.0 mg/l
		Residual Free Chlorine	IS 3025 (Part 26) :1986	0.1 mg/l to 10 mg/l

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		Selenium (as Se)	APHA 3113 B:21st Edition / IS 3025 (Pt.56) - 2003/ IS 15303 – 2004	0.005 mg/l to 10 mg/l
		Silver (as Ag)	IS 13428 (Annexure J) - 1998/ APHA 3113B : 21st Edition	0.0025 mg/l to 8.0 mg/l
		Sodium (as Na)	APHA 3500 Na -(B) : 21st Edition / IS 3025 (Part 45):1993	1 mg/l to 1000 mg/l
		Sulphate	APHA-4500 SO ₄ (E) : 21st Edition / IS 3025 (Part 24):1986	1 mg/l to 100 mg/l
		Sulphide (as H ₂ S)	IS 3025:1986 (Part 29)	0.05 mg/l to 10 mg/l
		Taste	IS 3025:1984 (Part 8)	Qualitative
		Total Dissolved Solids	APHA-2540 (C) :21st Edition / IS 3025 (Part 16):1984	5 mg/l to 500 mg/l
		Turbidity	APHA-2130:21st Edition / IS 3025 (Part 10):1984	1 NTU to 100 NTU
		Zinc (as Zn)	APHA 3111 (B) :21st Edition / IS 3025 (Part 49):1994	0.05 mg/l to 16 mg/l
		α – BHC	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994/ USEPA 525.2:1995	0.025 µg/l to 1000 µg/l

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		β - BHC	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994/ USEPA 525.2:1995	0.01 $\mu\text{g/l}$ to 1000 $\mu\text{g/l}$
		γ - BHC / Lindane	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 525.2:1995	0.01 $\mu\text{g/l}$ to 1000 $\mu\text{g/l}$
		δ - BHC	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508 / USEPA 525.2:1995	0.015 $\mu\text{g/l}$ to 1000 $\mu\text{g/l}$
		2,4 D	AES/TD/RES/SOP 1.2 Issue No.: 01 Issue Date: 14/01/2010 USEPA 515.3:1996 /	0.01 $\mu\text{g/l}$ to 1000 $\mu\text{g/l}$
		Alachlor	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507:1995 / USEPA 8081 / USEPA 525.2:1995	0.038 $\mu\text{g/l}$ to 1000 $\mu\text{g/l}$

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		Aldrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508 / USEPA 525.2	0.075 µg/l to 1000 µg/l
		Atrazine	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507:1995 / USEPA 8141B:2000 / USEPA 525.2:1995	0.015 µg/l to 1000 µg/l
		Butachlor	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507,Rev.02:1989 / USEPA 525.2,Rev01:1994	0.01 µg/l to 1000 µg/l
		Chlorpyrifos	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 /EPA8141B/ USEPA507:1995/ USEPA 525.2:1995	0.01 µg/l to 1000 µg/l
		DDD and its isomers	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081 / USEPA 525.2:1995	0.01 µg/l to 1000 µg/l

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		DDE and its isomers	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081B,Rev.02:2007 USEPA 525.2:1995	0.01 µg/l to 1000 µg/l
		DDT and its isomers	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081 , Rev.02:2007 USEPA 525.2:1995	0.01 µg/l to 1000 µg/l
		Dieldrin	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081 , Rev.02:2007 USEPA 525.2:1995	0.020 µg/l to 1000 µg/l
		Endosulfan I	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081 , Rev.02:2007 USEPA 525.2:1995	0.015 µg/l to 1000 µg/l

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		Endosulfan II	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081 , Rev.02:2007 USEPA 525.2:1995	0.015 µg/l to 1000 µg/l
		Endosulfan Sulfate	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 508.1:1994 / USEPA 8081 , Rev.02:2007 USEPA 525.2:1995	0.01 µg/l to 1000 µg/l
		Ethion	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 EPA8141B / USEPA507:1995 / USEPA 525.2:1995	0.025 µg/l to 1000 µg/l
		Isoproturon	AES/TD/RES/SOP 1.5 Issue No.: 01 Issue Date: 14/01/2010 USEPA 532,Rev.01:2000	0.04 µg/l to 1000 µg/l
		Malaoxon	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507:1995 / USEPA 8141B:2000 /USEPA 525.2:1995	0.015 µg/l to 1000 µg/l

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	Malathion		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 EPA8141B:2004 / EPA507:1995/ USEPA 525.2:1995	0.01 µg/l to 1000 µg/l
	Methyl Paraoxon		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507:1995 / USEPA 8141B:2000 / USEPA 525.2:1995	0.025 µg/l to 1000 µg/l
	Methyl Parathion		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 /EPA8141B:2000 / USEPA507:1995 / USEPA 525.2:1995	0.015 µg/l to 1000 µg/l
	Monocrotophos		AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 / EPA8141B:2000 / USEPA 507:1995 / USEPA 525.2:1995	0.025 µg/l to 1000 µg/l

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		Phorate	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507 / USEPA 8141B:2000 / USEPA 525.2:1995	0.04 µg/l to 1000 µg/l
		Phorate Sulfone	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507:1995 / USEPA 8141B:2000 / USEPA 525.2:1995	0.04 µg/l to 1000 µg/l
		Phorate Sulfoxide	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 507:1995 / USEPA 8141B:2000 / USEPA 525.2:1995	0.04 µg/l to 1000 µg/l
		PAH (Polynuclear Aromatic Hydrocarbon)	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 8100:1986 / APHA 6440 21st Edition / USEPA 525.2:1995	0.01 µg/l to 1000 µg/l

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		PCB (Polychlorinated Biphenyls)	AES/TD/RES/SOP 1.1 Issue No.: 01 Issue Date: 14/01/2010 USEPA 8082 /APHA 6431 21st Edition /IS 13428 (Annex. M) / USEPA 525.2:1995	0.01 µg/l to 1000 µg/l
3.	Water for haemodialysis and related therapies	Aluminium (as Al)	APHA 3113B:21st Edition/ USEPA,200.9:1994/ APHA 3125 (B) :21st Edition	0.003 µg/l to 10 mg/l
		Total Chlorine	APHA 4500 Cl B/F/G : 21st Edition	0. 1 mg/l to 10 mg/l
		Copper(as Cu)	APHA 3111 (B) :21st Edition /USEPA,200.9:1994/ APHA 3125 (B) :21st Edition	0.02 mg/l to 4 mg/l
		Fluoride (as F)	APHA-4500 F ⁻ (D) :21st Edition	0.1 mg/l to 10 mg/l
		Lead (as Pb)	APHA 3113B:21st Edition/USEPA USEPA 200.9:1994/ APHA 3125 (B) : 21st Edition	0.005 mg/l to 20 mg/l
		Nitrate (as NO ₃)	IS: 3025 (part 34): 1988/ APHA 4500 NO ₃ - E:21st Edition	0.1 mg/l to 100 mg/l
		Sulphate (as SO ₄)	APHA-4500 SO ₄ (E) :21st Edition	1 mg/l to 1000 mg/l

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		Zinc (as Zn)	APHA 3111 (B) :21st Edition/ USEPA 200.9:1994/ APHA 3125 (B) :21st Edition	0.05 mg/l to 16 mg/l
		Calcium (as Ca)	APHA-3500 Ca -(B) /3111B: 21st Edition/ APHA 3125 (B) : 21st Edition	1 mg/l to 500mg/l
		Magnesium (as Mg)	APHA-3500Mg - (B) : 21st Edition/ APHA 3125 (B)/3111B :21st Edition	1 mg/l to 100 mg/l
		Potassium (as K)	APHA 3500K - (B) :21st Edition/ APHA 3125 (B)/3111B :21st Edition	1 mg/l to 1000 mg/l
		Sodium (as Na)	APHA 3500 Na -(B)/3111B :21st Edition/ APHA 3125 (B) :21st Edition	1 mg/l to 1000 mg/l
		Antimony (as Sb)	APHA 3113B:21st Edition/USEPA,200.9/ APHA 3125 (B) :21st Edition	0.005 mg/l to 40 mg/l
		Arsenic (as As)	APHA 3500 As -B :21st Edition/ USEPA,200.9:1994/ APHA 3125 (B)/3114 :21st Edition	0.005 mg/l to 10 mg/l
		Barium(as Ba)	APHA 3113B:21st Edition/ APHA 3125 (B) :21st Edition	0.01 mg/l to 40 mg/l

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		Cadmium (as Cd)	APHA 3113B:21st Edition/ USEPA 200.9:1994/ APHA 3125 (B) :21st Edition	0.005 mg/l to 10 mg/l
		Chromium (as Cr)	APHA 3113B/ USEPA 200.9:1994/ APHA 3125 (B) :21st Edition	0.005 mg/l to 10 mg/l
		Mercury (as Hg)	APHA 3112B :21st Edition/USEPA,200.9:1994/ APHA 3125 (B) :21st Edition	0.001 mg/l to 100 mg/l
		Selenium (as Se)	APHA 3114C/3113B:21st Edition/ APHA 3125 (B) :21st Edition /USEPA USEPA 200.9:1994	0.005 mg/l to 10 mg/l
		Silver (as Ag)	APHA 3113 B:21st Edition/ APHA 3125 (B): 21st Edition	0.0025 mg/l to 8.0 mg/l
		Thallium (as Tl)	APHA 3113B : 21st Edition/ USEPA,200.9:1994/ APHA 3125 (B) :21st Edition	0.001 mg/l to 10 mg/l
		Beryllium (as Be)	APHA 3113B : 21st Edition/USEPA ,200.9:1994/ APHA 3125 (B) :21st Edition	0.001 mg/l to 10 mg/l

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V.	PETROLEUM			
1.	Lubricants/Petroleum Products			
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic fluids	Ash content	IS – 1448 (Part 4):1984	0.01 % to 10 %
	Diesel / LDO Oils	API Gravity	IS1448 (Part 16)-1990	25 to 45
	Lubricating Oils/HSD,LDO/ Furnace Oil,HFO Oils	Asphalttness	IS1448 (Part 22)-1985	0.05 % to 50 %
	HSD,LDO/ Furnace Oil, HFO Oils	Calorific Value	IS - 1448 (P-6):1984	100 % to 11000 %
	Lubricating Oils/HSD,LDO/ Furnace Oil,HFO Oils / Thermic fluids	Carbon Residue	IS - 1448 (Part 122) :1987 IS 1448 (Part 8):1967	0.01 % to 20 %
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO Oils/Gear Oils/ Hydraulic Oils/ Turbine Oils/ Thermic fluids	Copper strip corrosion	IS – 1448 (P-15):2004	1 to 4 (Ratings)

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	Diesel Oils/LDO	Cetane Index	ASTM D-976:2000	30 to 65
	Lubricating Oils /HSD,LDO/Furnace Oil,HFO Oils/ Hydraulic Oils	Chlorine content	ASTM D-808:2000 NSA 307114:2004	0.01 % to 2.0 %
	Diesel Oils	Cloud Point	IS 1448 (Part 10)-1970	(-) 20°C to (+) 50°C
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/ Thermic fluids/ Insulating Oils	Density and Relative Density	IS 1448 (P-32):1992 IS 1448 (Part 16) 1990 ASTM D 1298-1999	0.7500 gm/ml to 1.000 gm/ml 0.8000 gm/ml to 0.9000 gm/ml
	Insulating oils	Dielectric Strength	IS 6792:1992	10 kV to 100 kV
	HSD, LDO	Distillation	IS 1448(Part 18):1991	0 °C to 380 °C
	Insulating oils	Dissolved Gas Analysis	IS 9434:1992/ ASTM D 3612:1996	0.0 ppm to 10000 ppm/ 0.1 µ/cm to 1000 µ/cm
	Lubricating oils/ Hydraulic oils	Electrical conductivity	NSA 307110-2004	0.1 µs/cm to 1000 µs/cm

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	Lubricating oil /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids/Insulating Oils	Flash Point	IS 1448: (Part 20)1998, IS 1448:(Part 21)1992 , IS 1448: (Part 69) 1969	(20 to 110°C) low range / (20 to 150°C) medium range / (90°Cto370°C) high range
	Thermic Fluids	Fire Point	IS 1448 (Part 69):1969	104°C to 400°C
	Lubricating Oils/ Engine Oil	Gasoline diluents / Fuel Dilution	ASTM D-322:2002	0.0 % to 20 %
	Insulating oils	Interfacial Tension	IS 6104:1971	0.018 N/m to 0.075 N/m 18 mN/m to 75 mN/m
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids	Kinematic Viscosity at 38 °C, 40 °C, 100 °C	IS 1448 (Part 25) :1976 ASTM D 445-1986	1 cst to 500 cst
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids/ Insulating oils	Neutralization Value/ Total & Inorganic acidity	IS 1448 (Part I) Sec-I 2002 & (Part II) : 2007/ASTM D 974-1985	0.025 mg KOH/gm to 100 mg KOH/gm

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	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids/ Insulating oils	Pour Point	IS 1448 (Part 10) :1970	(-) 42°C to (+) 51°C
	Hydraulic Oils/ lubricating oils	Particle count	NSA 307110-2004	0.0 µm to 1024000 µm
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids	Sediment	IS 1448 (Part 30):1970/ ASTM D893:2002	0.01 % to 10 %
	Insulating oils	Specific Resistance	IS 6103: 1971	0.062 x 10 ¹² ohm-cm to 49600 x 10 ¹² ohm-cm
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO	Sulphur Content	IS 1448 (Part 33):1991	0.1 % to 5.0%
	Lubricating Oil	Sulphated Ash	IS 1448 (Part 4):1984	0.1 % to 20%
		Sediment & Sludge	IS 1866 : 2000 (Annex-A)	0.01% to 10 %
		Tan Delta	IS 6262:1971	0.001 to 99.9
		TBN	IS 1448 (Part 1) Sec-2:2002	1 mg KOH/gm to 40 mg KOH/gm

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	Lubricating Oils/ Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids	Viscosity Index	IS1448 (Part 56)-1980 / ASTM D-2270:1998	10 to 99 100 to 500
	Lubricating Oils /HSD,LDO/ Furnace Oil,HFO/Turbine Oils/Gear Oil /Hydraulic Oils/Thermic Fluids/ Insulating oils	Water Content	IS 1448 (Part 40):1987/ ASTM D 6304-2007	0.05 % to 50%
	Insulating Oils /Lubricating Oils	Water Content by KF	ASTM D1744-1983 / IS 13567-1992	10 ppm to 10 %
	Insulating Oil	Furanic Compounds	ASTM D5837:1999	
		5-Hydroxy methyl-2-Furaldehyde	ASTM D5837:1999	1 mg/l to 500 mg/l
		Furfuryl Alcohol	ASTM D5837:1999	1500 mg/l
		2-Furaldehyde	ASTM D5837:1999	1 mg/l to 500 mg/l
		2-Acetylfuran	ASTM D5837:1999	1 mg/l to 500 mg/l
		Methyl-2-furaldehyde	ASTM D5837:1999	1 mg/l to 500 mg/l

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	Coal Coke & other Solid & Semi Solid Fuel	Gross Calorific Value	IS 1350 (Part II)1970/ ASTM D 5865:1999	100 cal/gm 10000 cal/gm
	Diesel Oil /Lubricating Oil	Volatile & Non volatile filter test	IP 442:1989	Qualitative
	Used Oils / Waste Oil /Sludge/HSD/LDO/ Furnace Oil / HFO /Insulating Oils /	Poly chlorinated Biphenyl (PCB)	USEPA 846 – 8082:2000	2 ppm to 1000 ppm
		Poly nuclear Aromatic Hydrocarbon (PAH)	USEPA 846 – 8100:2000	0.1 % to 20.0%
		Fuel Dilution / Diluents Contents	ASTMD – 3525:2000/ GC-FID/ASTMD 3524:1999	0 to 15%
		Saponification Value	IS 1448 (Part 55) / ASTM 94:2002	1 mg KOH / g to 18 mg KOH / g
		Total Halogen	USEPA 846 – 5050:1996	1 ppm to 4000 ppm
		Arsenic	USEPA 846 – 3051:1996	1 ppm to 5 ppm
		Cadmium	USEPA 846-3051:1996	1 ppm to 50 ppm
	Liquid Petroleum Product (Motor sprit)	Hydrocarbon Type by Fluorescent indicator adsorption (Aromatic olefins and saturates)	ASTM 1319:2002	0.1 % to 100%
	Lubricating Oils/ Petroleum Products(Wear Metal Analysis by ICP-OES	Aluminium	ASTM D5185-09	6 mg/kg to 40 mg/kg
		Barium	ASTM D5185-09	0.5 mg/kg to 4 mg/kg
		Boron	ASTM D5185-09	4 mg/kg to 30 mg/kg
		Calcium	ASTM D5185-09	40 mg/kg to 9000 mg/kg

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		Chromium	ASTM D5185-09	1 mg/kg to 40 mg/kg
		Copper	ASTM D5185-09	2 mg/kg to 160 mg/kg
		Iron	ASTM D5185-09	2 mg/kg to 140 mg/kg
		Lead	ASTM D5185-09	10 mg/kg to 160 mg/kg
		Magnesium	ASTM D5185-09	5 mg/kg to 1700 mg/kg
		Manganese	ASTM D5185-09	5 mg/kg to 1700 mg/kg
		Molybdenum	ASTM D5185-09	5 mg/kg to 200 mg/kg
		Nickel	ASTM D5185-09	5 mg/kg to 40 mg/kg
		Phosphorus	ASTM D5185-09	10 mg/kg to 1000 mg/kg
		Potassium	ASTM D5185-09	40 mg/kg to 1200 mg/kg
		Silicon	ASTM D5185-09	8 mg/kg to 50 mg/kg
		Silver	ASTM D5185-09	0.5 mg/kg to 50 mg/kg
		Sodium	ASTM D5185-09	7 mg/kg to 70 mg/kg
		Sulfur	ASTM D5185-09	900 mg/kg to 6000 mg/kg
		Tin	ASTM D5185-09	10 mg/kg to 40 mg/kg
		Titanium	ASTM D5185-09	5 mg/kg to 40 mg/kg

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		Vanadium	ASTM D5185-09	1 mg/kg to 50 mg/kg
		Zinc	ASTM D5185-09	60 mg/kg to 1600 mg/kg
VI.	FERTILIZERS			
1.	Straight Nitrogenous Fertilizers			
a.	Urea / Urea Products	Moisture	FCO -1985	0.1 % to 5.0 %
		Total nitrogen	FCO -1985	0.1 % to 50 %
		Urea Nitrogen	FCO -1985	5.0 % to 25 %
		Ammoniacal Nitrogen	FCO -1985	0.1% to 30%
		Particle size	FCO -1985	0.1 % to 100 %
b.	Ammonium Sulphate/Ammonium Chloride	Moisture	FCO -1985	0.1 % to 5.0 %
		Ammoniacal Nitrogen	FCO -1985	0.1 % to 30 %
		Free Acidity as H ₂ SO ₄	FCO -1985	0.01 % to 1.0 %
		Chloride other than ammonium chloride as NaCl	FCO -1985	0.1 % to 5.0 %
		Sulphur(as S)	FCO -1985	1.0 % to 50 %
		Arsenic as As ₂ O ₃	FCO -1985 by AAS	0.001 % to 1.0 %

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2	Straight Phosphatic Fertilizers			
a.	SSP (single super phosphate)/TSP (Tipple Super Phosphate)	Free phosphoric acid(asP2O5)	FCO -1985	0.1 % to 5.0 %
		Water soluble phosphate(as P2O5)	FCO -1985	5.0 % to 50 %
		Total phosphate(as P2O5)	FCO -1985	5.0 % to 50 %
		Sulphur(as S)	FCO -1985	1.0 % to 25 %
		Moisture content	FCO -1985	0.1 % to 20%
		Neutral ammonium Citrate Soluble Phosphate(as P2O5)	FCO -1985	1.0 % to 25 %
		Particle Size	FCO -1985	0.1 % to 100 %
3.	Straight Potassic Fertilizers			
1.	Potassium Chloride/Potassium Sulphate	Moisture	FCO -1985	0.1 % to 5.0 %
		Water Soluble potash(as K ₂ O)	FCO -1985 by Flame Photometer	5.0 % to 65 %
		Total Chloride	FCO -1985	0.1 % to 5.0 %
		Sodium as NaCl	FCO -1985 by Flame Photometer	0.1% to 5.0 %
		Sulphur(as S)	FCO -1985	1.0 % to 25 %
		Magnesium Chloride MgCl ₂	FCO -1985 by AAS	0.1 % to 2.5 %
		Magnesium Oxide as MgO	FCO -1985 by AAS	1.0 % to 15 %
		Particle Size	FCO -1985	0.1 % to 100 %

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4.	Straight Sulphur Fertilizers			
a.	Sulphur (Powder/ Granular)	Moisture	FCO -1985	0.1 % to 5.0 %
		Total Sulphur(as S)	FCO -1985	10 % to 100 %
		Particle Size	FCO -1985	0.1 % to 100 %
5.	N.P Complex Fertilizers			
a.	Diammonium Phosphate /Mono Ammonium Phosphate	Moisture	FCO -1985	0.1 % to 5 %
		Total Nitrogen	FCO -1985	5.0 % to 25 %
		Ammoniacal Nitrogen	FCO -1985	5.0 % to 25 %
		Total Nitrogen in the form of Urea	FCO -1985	0.1% to 5.0 %
		Neutral ammonium citrate Soluble Phosphate(as P ₂ O ₅)	FCO -1985	10 % to 60 %
		Water soluble phosphate(as P ₂ O ₅)	FCO -1985	10 % to 50 %
		Particle Size	FCO -1985	0.1 % to 100 %
6.	NPK Complex Fertilizers			
a.	NPK	Total Nitrogen	FCO -1985	5.0 % to 25 %
		Nitrate nitrogen	FCO -1985	1.0 % to 15 %
		Ammonical Nitrogen	FCO -1985	1.0 % to 15 %
		Water Soluble Phosphate(as P ₂ O ₅)	FCO -1985	5.0 % to 25 %

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		Water Soluble Potash(as K ₂ O)	FCO -1985 by Flame Photometer	5.0 % to 30 %
		Urea Nitrogen	FCO -1985	1.0 % to 15 %
		Moisture content	FCO -1985	0.1 % to 5.0 %
		Chloride as Cl	FCO -1985	0.1 % to 5.0 %
		Neutral Ammonium citrate soluble phosphates(as P ₂ O ₅)	FCO -1985	10 % to 40 %
		Sulphur as S	FCO -1985	1.0 % to 10 %
		Magnesium as Mg	FCO -1985 by AAS	0.1 % to 2.0 %
7.	Micronutrient/Microbooster Fertilizers			
a.	Zinc Sulphate Monohydrate/ Zinc Sulphate Heptahydrate	Matter insoluble	FCO -1985	0.1 % to 5.0 %
b.	Borax (Sodium Tetraborate)	Zinc(as Zn)	FCO -1985	0.1 % to 40 %
c.	Ferrous Sulphate	Lead(as pb)	FCO -1985 by AAS	0.001 % to 5.0 %
d.	Boric Acid	Iron(as Fe)	FCO -1985 by AAS	0.001 % to 20 %
		Cadmium(as Cd)	FCO -1985 by AAS	0.001 % to 2.0 %
		Copper(as Cu)	FCO -1985 by AAS	0.001 % to 5.0 %
		Magnesium (as Mg)	FCO -1985 by AAS	0.001 % to 5.0 %

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		Sulphur (as S)	FCO -1985	1.0 % to 20 %
		Arsenic (as As)	FCO -1985 by AAS	0.001 % to 0.1 %
		Boron (as B)	FCO -1985 by AAS FCO-1985	0.1 % to 25 %
		Particle size	FCO-1985	0.1 % to 100 %
		pH	FCO-1985	1 to 14
8.	Water Soluble Complex Fertilizers			
a.	Mono-Potassium Phosphate	Moisture	FCO-1985	0.1 % to 2.0 %
b.	Calcium Nitrate	Water soluble phosphate (as P ₂ O ₅)	FCO-1985	5.0 % to 65 %
c.	Mono Ammonium Phosphate	Water Soluble Potash (as K ₂ O)	FCO-1985 by Flame Photometer	5.0 % to 60 %
d.	NPK (100% water soluble)	Total Nitrogen	FCO-1985	5.0 % to 25%
e.	Potassium Nitrate	Ammonical Nitrogen	FCO-1985	0.1% to 15%
		Nitrate Nitrogen	FCO-1985	1.0 % to 15%
		Urea Nitrogen	FCO-1985	1.0 % to 15 %
		Water soluble Calcium(as Ca)	FCO-1985	1.0 % to 20 %
		Matter insoluble	FCO-1985	0.1 % to 5.0 %
		Sodium as NaCl (on dry basis)	FCO-1985 by Flame Photometer	0.0 % to 5.0 %
		Chloride as Cl (on dry basis)	FCO-1985	0.1 % to 5.0 %

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9.	Organic Fertilizers/ Biofertilizers			
a.	City Compost	Moisture	FCO -1985	1.0 % to 50 %
b.	Vermicompost	Particle size	FCO -1985	0.1 % to 100 %
c.	Organic Manure	Organic Carbon	FCO -1985	1.0 % to 40 %
		Total Nitrogen	FCO -1985	0.1 % to 10 %
		Total Phosphate (as P ₂ O ₅)	FCO -1985	0.1 % to 10 %
		Total Potash (as K ₂ O)	FCO-1985 by Flame Photometer	0.1 % to 10 %
		pH	FCO -1985	1 to 14
		Conductivity	FCO -1985	1.0 µmhos/cm to 4000 µmhos/cm
		Bulk Density	FCO -1985	0.1 to 10 gm/cc
		C : N ratio	FCO -1985	1 to 20
		Arsenic (as As)	FCO -1985 by AAS	0.001 % to 1.0 %
		Cadmium(as Cd)	FCO -1985 by AAS	0.001 % to 1.0 %
		Chromium(as Cr)	FCO -1985 by AAS	0.001 % to 1.0 %
		Copper(as Cu)	FCO -1985 by AAS	00.001 % to 1.0 %
	Nickel(as Ni)	FCO -1985 by AAS	0.001 % to 1.0 %	
	Lead(as pb)	FCO -1985 by AAS	00.001 % to 1.0 %	
	Zinc(as Zn)	FCO -1985 by AAS	0.001 % to 1.0 %	

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VII BUILDING MATERIALS				
1.	Aggregate	Alkali Reactivity	IS 2386 (Part 7) :1963	5 mol/l to 700 mol/l
2.	MS Phosphating	Weight of phosphate coating	IS 3618: 1966	0.3 g/m ² to 25 g/m ²
		Test for resistance to corrosion	IS : 3618: 1966	7 Days
3.	Cement	Loss on Ignition	IS 4032 : 1985 (RA 1995)	0.01 % to 50 %
		Insoluble Residue	IS 4032 : 1985 (RA 1995)	0.1 % to 50 %
		Alumina	IS 4032 : 1985 (RA 1995)	0.50 % to 30 %
		Iron Oxide	IS 4032 : 1985 (RA 1995)	0.5 % to 35 %
		Silica	IS 4032 : 1985 (RA 1995)	0.2 % to 50 %
		Calcium Oxide	IS 4032 : 1985 (RA 1995)	1.0 % to 70 %
		Magnesium Oxide	IS 4032 : 1985 (RA 1995)	0.1 % to 35 %
		Sulphuric Anhydride/ Sulphide	IS 4032 : 1985 (RA 1995)	0.02 % to 25 %
		Sodium	IS 4032 : 1985 (RA 1995)	0.001 % to 25 %
		Potassium	IS 4032 : 1985 (RA 1995)	0.001 % to 25 %
		Chloride	IS 12423: 1988 (RA 1995)	0.001 % to 2.0 %
4.	Concrete Admixtures	Dry Material content	IS 9103 : 1999 (Annex-E)	0.01 % to 100 %
		Ash Content	IS 9103 : 1999 (Annex-E)	0.01 % to 100 %

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Chloride ion content	IS 6925 : 1973	0.0001 % to 5.0 %
		pH	IS 9103 :1999	0 to 14
		Relative density	IS 9103:1999	1 to 2.5
5.	Integral Waterproofing Compounds (IS 2645 : 2003)	Chloride Content	IS 6925 : 1973	0.0001 % to 5.0 %
VIII METALS & ALLOYS				
1.	Plain Carbon, Low alloy, Steels & TOR/TMT Steel	Carbon	IS 228: 1987 (Part 1)	0.05 % to 2.5 %
		Manganese	IS 228: 1987 (Part 2) /AAS	0.01 % to 15 %
		Sulphur	IS 228: 1989 (Part 9)	0.01 % to 0.25 %
		Phosphorus	IS 228: 1987 (Part 3)	0.01 % to 0.25 %
		Chromium	IS 228: 1987 (Part 6) / AAS	0.1 % to 50 %
		Nickel	IS 228 (Part 5) 1987 / AAS	0.1 % & above
		Silicon	IS 228 (Part 8) 1989	0.1% & above
IX. PLASTIC & PLASTIC PRODUCTS				
1.	Packaging & Containers	Migration Test(as per USFDA)	21 CFR 177.1630 Code of Federal Regulations, Title 21, Volume 3, Revised as of April, 2014	Qualitative

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Overall Migration Test as per EC	BS EN 1186 (P 2&3): 2002	Qualitative
		Overall Migration Test	IS 9845:1998	0.005

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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**.