

Laboratory	Eurofins Analytical Services India Pvt. Ltd., # 540/1, Doddanakundi Industrial Area 2, Hoodi, Whitefield, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	10.09.2014
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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.	Tea & Tea Products	Water soluble Extracts	AOAC 19 th Ed. 2012 Method 920.104	1 to 50 %
		Total Ash	AOAC 19 th Ed. 2012 Method 900.02A	0.1 to 10 %
		Alkalinity of water soluble ash	AOAC 19 th Ed. 2012 Method 900.02A	0.1 to 3 %
		Water soluble ash Water Insoluble ash	AOAC 19 th Ed. 2012 Method 900.02E	1 to 60 %
		Acid insoluble ash	AOAC 19 th Ed. 2012 Method 941.12C	0.01 to 3 %
		Crude Fiber	AOAC 19 th Ed. 2012 Method 962.09E	0.1 to 20 %
2.	Milk, Dairy products and Milk based Infant formula	Total solids	AOAC 19 th Ed., 2012 Method 990.20, 941.08	0.1 to 100 %
		Total Ash	AOAC 19 th Ed. 2012 Method 945.46	0.1 to 10 %
		Total Fat	AOAC 19 th Ed. 2012 Method 945.48G	0.1 to 40 %
		Total Protein	AOAC 19 th Ed. 2012 Method 991.20	0.1 to 30 %

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		Carbohydrates	AOAC 19 th Ed. 2012 Method 986.25	1 to 70 %
		Solids Not Fat	AOAC 19 th Ed. 2012 Method 990.21	1 to 20 %
3.	Spices and Condiments	Moisture	AOAC 19 th Ed., 2012 Method 986.21	1 to 20 %
		Total Ash	AOAC 19 th Ed., 2012 Method 941.12	0.1 to 10 %
		Acid Insoluble Ash	AOAC 19 th Ed., 2012 Method 941.12C	0.01 to 5 %
		Crude Fiber	AOAC 19 th Ed. 2012 Method 962.09	0.1 to 20 %
a.	Chili Powder	Color Value	ASTA 4 th Ed.1997 Method 20.1	20 to 200
		Heat Value (Pungency)	ASTA 4 th Ed.1997 Method 21.3	5000 to 200000 SHU
		Nonvolatile Ether Extract	ASTA 4 th Ed.1997 Method 11.0	5 to 25 %
		Volatile Oil	ASTA 4 th Ed. 1997 Method 15.0	0.2 to 6 %

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b.	Turmeric Powder	Curcumin	ASTA 4 th Ed. 1997, Method 18.0	1 to 8 %
		Starch Content	ASTA 4 th Ed. 1997, Method 8.0	5 to 65 %
c.	Pepper Powder	Piperine content	ASTA 4 th Ed. 1997, Method 12.1	1 to 10%
		Non Volatile Ether Extract	ASTA 4 th Ed. 1997, Method 11.0	1 to 15 %
4.	Animal Feed & Feed Stuffs	Moisture	AOAC 19 th Ed. 2012 Method 930.15, 925.04	0.1 to 20 %
		Total Ash	AOAC 19 th Ed., 2012 Method 942.05	0.1 to 10 %
		Acid insoluble ash	IS:7874 (Part 2)-1975 Reaffirmed 2004	0.01 to 3 %
		Total Fat	AOAC 19 th Ed. 2012 Method 920.39, 954.02	0.1 to 20 %
		Protein	AOAC 19 th Ed. 2012 Method 984.13	0.1 to 30 %
		Crude Fiber	AOAC 19 th Ed. 2012 Method 962.09	0.1 to 20 %

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		Carbohydrates	AOAC 19 th Ed. 2012 Method 986.25	1 to 70 %
5.	Cereal Foods	Loss on drying (or) Moisture	AOAC 19 th Ed. 2012 Method 925.10	0.1 to 10 %
		Total Ash	AOAC 19 th Ed., 2012 Method 923.03	0.1 to 10 %
		Crude Fiber	AOAC 19 th Ed. 2012 Method 962.09	0.1 to 10 %
		Crude Fat or Ether extract	AOAC 19 th Ed. 2012 Method 920.39	0.1 to 20 %
		Total Protein	AOAC 19 th Ed. 2012 Method 920.87	0.1 to 30 %
6.	Oils, Fats & Related Products	Saponification value	AOAC 19 th Ed. 2012 Method 960.160	100 to 250 meq KOH/g
		Un saponifiable matter	AOAC 19 th Ed. 2012 Method 933.08	0.1 to 5 %
		FFA as Oleic acid (or) Acid value	AOAC 19 th Ed. Method 940.28	0.1 to 10.0 %

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7.	Food and Feed Stuffs (Spices, Tea, Milk powder Corn)	Lead (Pb)	EASI-CHE-SOP 07, Ref.: EN 14083: 2003	0.05 to 20mg/kg
		Cadmium (Cd)	EASI-CHE-SOP 07, Ref.: EN 14083: 2003	0.02 to 20 mg/kg
		Mercury (Hg)	EASI-CHE-SOP-06, Ref.: EN 13806: 2002	0.01 to 20 mg/kg
		Arsenic (As)	EASI-CHE-SOP 09, Ref.: EN 14627: 2005	0.1 to 20 mg/kg
8.	Animal Feed	Lead (Pb)	EASI-CHE-SOP 07, Ref.: EN 14083: 2003	0.20 to 50 mg/kg
		Cadmium (Cd)	EASI-CHE-SOP 07, Ref.: EN 14083: 2003	0.02 to 50 mg/kg
		Mercury (Hg)	EASI-CHE-SOP-06, Ref.: EN 13806: 2002	0.1 to 30 mg/kg
		Arsenic (As)	EASI-CHE-SOP 09, Ref.: EN 14627: 2005	0.2 to 50 mg/kg
		Sodium (Na)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
		Potassium (K)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 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
		Calcium (Ca)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
		Iron (Fe)	EN 14084: 2003, AOAC 18 th Ed. 9.1.08 (999.10)	1 to 100 mg/kg
		Copper (Cu)	EN 14084: 2003, AOAC 18 th Ed. 9.1.08 (999.10)	1 to 100 mg/kg
		Zinc (Zn)	EN 14084: 2003, AOAC 18 th Ed. 9.1.08 (999.10)	1 to 100 mg/kg
		Manganese (Mn)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 100 mg/kg
		Magnesium (Mg)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
9.	Food and Agriculture Products	Sodium (Na)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
		Potassium (K)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
		Calcium (Ca)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
		Iron (Fe)	EN 14084: 2003, AOAC 18 th Ed. 9.1.08 (999.10)	1 to 100 mg/kg

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		Copper (Cu)	EN 14084: 2003, AOAC 18 th Ed. 9.1.08 (999.10)	1 to 100 mg/kg
		Zinc (Zn)	EN 14084: 2003, AOAC 18 th Ed. 9.1.08 (999.10)	1 to 100 mg/kg
		Manganese (Mn)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 100 mg/kg
		Magnesium (Mg)	EASI-CHE-SOP-05, AOAC 18 th Ed. 50.1.14 (985.35)	1 to 10000 mg/kg
10.	Food, Feed Stuffs and Agriculture Products (Pea Nuts, Spices, Corn and Rice)	Aflatoxin B1	EASI-CHE-SOP-09, Ref.: EN14123: 2007	1.0 to 200 µg/kg
		Aflatoxin B2	EASI-CHE-SOP-09, Ref.: EN14123: 2007	0.5 to 50 µg/kg
		Aflatoxin G1	EASI-CHE-SOP-09, Ref.: EN14123: 2007	1.0 to 200 µg/kg
		Aflatoxin G2	EASI-CHE-SOP-09, Ref.: EN14123: 2007	0.5 to 100 µg/kg
11.	Fruit and Fruit Products	°Brix	EASI-CHE-SOP-11 (Brix Hydrometer)	1 to 95° Brix
		Total Ash	AOAC 19 th Ed. 2012 Method 940.26	0.1 to 5% > 5%

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		Titrateable Acidity as tartaric acid	AOAC 19 th Ed. 2012 Method 942.15	0.1 to 10% > 10%
		Titrateable Acidity as citric acid monohydrate	AOAC 19 th Ed. 2012 Method 942.15	0.1 to 10% > 10%
		Titrateable Acidity as oxalic acid	AOAC 19 th Ed. 2012 Method 942.15	0.1 to 10% > 10%
		Titrateable Acidity as malic acid	AOAC 19 th Ed. 2012 Method 942.15	0.1 to 10% 10 to 40%
		Titrateable Acidity as lactic acid	AOAC 19 th Ed. 2012 Method 942.15	0.1 to 10% 10 to 40%
		Titrateable Acidity as acetic acid	AOAC 19 th Ed. 2012 Method 942.15	0.1 to 10% 10 to 40%
		Titrateable Acidity as sulfuric acid	AOAC 19 th Ed. 2012, Method 942.15	0.1 to 10% 10 to 40%
12.	Sugar and by Products	Ash	AOAC 19 th Ed. 2012, Method 900.02A	0.10 to 1 % > 1 %
		Sulfated ash	AOAC 19 th Ed. 2012, Method 900.02A	0.10 to 1 % > 1 %

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13.	Food, Feed Stuff and Agriculture Products (RTE Foods, Oils & Fats, Corn and Rice)	Saturated Fatty Acids	EASI-CHE-SOP-14	0.1 to 100%
		Mono Unsaturated Fatty Acids	ISO 5509 : 2000 (E)	0.1 to 100%
		Poly Unsaturated Fatty Acids		0.1 to 100%
		Trans Fatty Acids		0.1 to 100%
		Cholesterol	ASTA 4 th Ed. 1997, Method 994.10	1 mg/100g to 100 mg/100g
		Dietary fiber	ASTA 4 th Ed. 1997, Method 985.29	0.1 to 100%
14.	Fruits, Vegetables (Mango Pulp, Pomegranate, Cucumber and Cabbage)	2,4-DDD	EASI-CHE-SOP-18. (Reference: EN 15662)	0.01 to 1.00 mg/kg (each)
		2,4-DDE		
		2,4-DDT		
		4,4-DDD		
		4,4-DDE		
		4,4-DDT		
		Acephate		
		Acetamiprid		
		Alachlor		
		Aldicarb-sulfone		
		Aldicarb-sulfoxide		
		Aldrin		
		Anilofos		
		Atrazine		

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	Benomyl		EASI-CHE-SOP-18.	0.01 to 1.00 mg/kg
	Bifenthrin		(Reference: EN 15662)	(each)
	Bitertanol			
	Buprofezin			
	Butachlor			
	Captan			
	Carbaryl			
	Carbofuran			
	Carbofuran-3-hydroxy			
	Chlordane			
	Chlorfenapyr			
	Chlorfenvinphos			
	Chlormequat Chloride			
	Chlorobenzilate			
	Chlorothalonil			
	Chlorpyrifos			
	Clodinafop-propargyl			
	Clomazone			
	Cyfluthrin			
	Cymoxanil			
	Cypermethrin			
	Deltamethrin			
	Demeton-S-methyl-sulfoxide			
	Diazinon			
	Dichlorvos			
	Dicofol			
	Dieldrin			
	Difenoconazole			
	Diiflubenzuron			
	Dimethoate			

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	Dimethomorph Diuron Dodine Edifenphos Endosulfan-alpha Endosulfan-beta Endosulfan-sulfate Ethion Etofenprox Fenitrothion Fenobucarb Fenoxaprop-p-ethyl Fenpropathrin Fenthion Fenthion Sulfone Flufenacet Fluvalinate-tau Formothion HCH-alpha HCH-beta HCH-delta HCH-gamma (Lindane) Heptachlor Hexaconazole Imazethapyr Imidacloprid Isoprothiolane Isoproturon Lambda-cyhalothrin Linuron		EASI-CHE-SOP-18. (Reference: EN 15662)	0.01 to 1.00 mg/kg (each)

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	Malaoxon		EASI-CHE-SOP-18.	0.01 to 1.00 mg/kg
	Malathion		(Reference: EN 15662)	(each)
	Metalaxyl			
	Metalaxyl – M			
	Methabenzthiazuron			
	Methamidophos			
	Methomyl			
	Metolachlor			
	Metribuzin			
	Monocrotophos			
	Novaluron			
	Paraoxon-ethyl			
	Parathion-methyl			
	Penconazole			
	Pendimethalin			
	Permethrin			
	Phenthoate			
	Phorate			
	Phorate-sulfone			
	Phorate-sulfoxide			
	Phosalone			
	Phosphamidon			
	Pretilachlor			
	Profenofos			
	Propargite			
	Propiconazole			
	Quinalphos			

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		Quizalofop-ethyl Tebuconazole Thiacloprid Thiamethoxam Thiodicarb Thiometon Thiophanate-methyl Triadimefon Tri-allate Triazophos Trichlorfon Tricyclazole Tridemorph Trifluralin	EASI-CHE-SOP-18. (Reference: EN 15662)	0.01 to 1.00 mg/kg (each)

-X-X-X-X-X-X-X-X-X-X-X-X-