

<b>Laboratory</b>	<b>Accurate Analytic (General Purpose Laboratory), Nikarthil Road, Thoppumpady P. O., Kochi, Kerala</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>21.07.2015</b>
<b>Certificate Number</b>	<b>T-2550</b>	<b>Valid Until</b>	<b>20.07.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>FOODS &amp; AGRICULTURAL PRODUCTS</b>			
<b>1.</b>	<b>Tea</b>	Loss in Mass at 103°C	IS 13853: 1994	(1 gm to 10 gm) / 100 gm
		Total Ash (on dry basis)	IS 13854: 1994	(3 gm to 9 gm) / 100 gm
		Water Soluble Ash of total Ash (on dry basis)	IS 13855: 1993	(30 gm to 70 gm) / 100 gm
		Alkalinity of Water Soluble Ash as KOH (on dry basis)	IS 13856: 1993	(0.5 gm to 4.5 gm) / 100 gm
		Acid Insoluble Ash (on dry basis)	IS 13857: 1993 (RA 2009)	(0.1 gm to 3.0 gm) / 100 gm
		Crude Fiber (on dry basis)	IS 10226 (Part1): 1982 (RA 2005)	(8 gm to 20 gm) / 100 gm
		Water Extract (on dry basis)	IS 13862: 1999	(20 gm to 45 gm) / 100 gm
		Iron Particle Content	IS 3633: 2003 Annexure C Method CI	1 mg/kg to 500 mg/kg
<b>2.</b>	<b>Spices &amp; Condiments</b>	Extraneous Matter	IS 1797: 1985 (RA 2001)	(0.1 gm to 15 gm) / 100 gm
		Moisture	IS 1797: 1985 (RA 2001)	(0.5 ml to 15 ml) / 100 gm
		Total Ash (on dry weight basis)	IS 1797: 1985 (RA 2001)	(0.5 gm to 10 gm) / 100 gm
		Acid Insoluble Ash (on dry basis)	IS 1797: 1985 (RA2001)	(0.05 gm to 2 gm) / 100 gm

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	<b>Spices &amp; Condiments</b>	Crude Fiber (on dry weight basis)	IS 1797: 1985 (RA 2001)	(8 gm to 30 gm) / 100 gm
		Non Volatile Ether Extract in chilli Product (on dry weight basis)	IS 1797: 1985 (RA 2001)	(1 gm to 30 gm) / 100 gm
		Volatile Oil (on dry weight basis)	IS 1797: 1985 (RA 2001)	(0.1 gm to 10 gm) / 100 gm
		Color Power as Curcumin Content in Turmeric Product (on dry weight basis)	ASTA (4 <sup>th</sup> Edition): 1997 Method 18.0	(1 gm to 6 gm) / 100 gm
		Sodium chloride as NaCl (on dry weight basis)	IS 1797: 1985, (RA 2001)	(0.1 gm to 6 gm) / 100 gm
<b>3.</b>	<b>Sea Food</b>	Phosphate (as added phosphate)	AA/CH/SOP/39 Issue no.01, Issue date 1.10.2011 Revision no. 01, Revision date 15.5.2014	200 mg/kg to 500 mg/kg
		Sulphite (as SO <sub>2</sub> )	AOAC (19 <sup>th</sup> Edition) 990.28: 2010 Chapter 47	10 mg/kg to 80 mg/kg
		TVB-N (in scrombroid fishes)	AA/CH/SOP/41 Issue no.01, Issue date 1.10.2011 Revision no. 01 Revision date 15.5.2014	(2 mg to 50 mg) / 100 gm
<b>4.</b>	<b>Cereals products, (Atta, Maida)</b>	Total Ash	IS 1155: 1968 (RA 2010)	0.5 % to 12 %
		Acid Insoluble Ash	IS 1155: 1968 (RA 2010)	0.01 % to 1.5 %
		Total Protein	IS 4684: 1976 (RA 2005)	10 % to 18 %
		Gluten	IS 1009: 1979 (RA 2010)	5 % to 15 %

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<b>II.</b>	<b>WATER</b>			
<b>1.</b>	<b>Process Water and Drinking Water</b>	pH	IS 3025 (Part 11): 1983 (RA 2002)	4 to 8
		Alkalinity	IS 3025 (Part 23): 1986 (RA 2003)	1 mg/l to 600 mg/l
		Chloride	IS 3025 (Part 32): 1988 (RA 2003)	1 mg/l to 1000 mg/l
		Total Residue	IS 3025 (Part 15): 1984 (RA 2009)	1 mg/l to 1000 mg/l
		Filterable Residue	IS 3025 (Part 16): 1984 (RA 2006)	1 mg/l to 500 mg/l
		Total Hardness	IS 3025 (Part 21): 2009	1 mg/l to 1500 mg/l
		Calcium	IS 3025 (Part 40): 1991 (RA 2003)	1 mg/l to 500 mg/l
		Magnesium	IS 3025 (Part 46): 1994 (RA 2003)	1 mg/l to 200 mg/l
		Sulphate	IS 3025 (Part 24): 1986 (RA 2003)	1 mg/l to 500 mg/l
		Total Iron	APHA (22 <sup>nd</sup> Edition): 2012	0.01 mg/l to 8.0 mg/l

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