

Laboratory Pious Laboratories Private Limited, 113/1, Bijalpur Road, Bijalpur, Indore, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7184

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Validity 26.04.2018 to 25.04.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**CHEMICAL TESTING**

<b>I.</b>	<b>DRUG &amp; PHARMACEUTICALS</b>			
<b>1.</b>	<b>(i) Raw material</b>			
	<b>White Petroleum jelly</b>	Solubility	IP 2018 Page No.: 242	Qualitative
	<b>Azithromycin</b>	Water by K.F	IP 2018 Page No.: 1307	0.10% to 20 %
	<b>Brimonidine Tartrate</b>	Limits of Heavy Metals	IP 2018 Page No.: 1402	1 mg/ml to 20 mg/ml
		Loss on Drying	IP 2018 Page No.: 1402	0.01 % to 10 %
		Sulphated ash	IP 2018 Page No.: 1402	0.01% to 5.0 %
	<b>(ii) Finished product</b>			
	<b>(iia) Tablet</b>			
	<b>Prednisolone Tab</b>	Uniformity of weight	IP 2018 Page No.: 308 & 2987	1 % to 15 % of avg wt.
	<b>Ferrous folic Tablet</b>	Disintegration Test	IP 2018 Page No.: 299	1.0 minute to 100 minute
	<b>(iib) Liquids/syrup</b>			
		Weight per mL	IP 2018 Page No.: 256 & 2857	0.1 g/mL to 5 g/mL
		4-aminophenol (by HPLC)	IP 2018 Page No.: 2857	0.01 % to 5.0 %
		Assay (By HPLC)	IP 2018 Page No.: 2857	80 % to 120%
<b>II.</b>	<b>FOOD &amp; AGRICULTURE PRODUCTS</b>			
<b>1.</b>	<b>Fruit products (Raw fruits)</b>	Moisture	FSSAI Manual 2016	0.01% to 50%
		pH	IS 11623:2008 (RA 2013)	1 to 14
		Ash content	IS 4624: 1978 (RA 2013)	0.001% to 50 %
		Acid insoluble ash	IS 13846: 1983	0.001% to 25 %

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			(RA 2009)	
		Total ash soluble in dilute Hcl	FSSAI Manual 2016	0.001% to 10%
		Common Salt (NaCl)	IS 2860: 1964 (RA 2008)	0.01% to 20 %
(ii)	<b>Cereals, pulses &amp; cereal products</b>	Moisture/ Loss on Drying	FSSAI Lab Manual IS 1485 : 2016	0.5% to 50%
	<b>(Wheat, Mung dal)</b>	Total solids	IS 11231:2085 (RA 2008)	0.1 % to 90%
		Free acidity	IS 1485: 2015	1% to 10 %
		Ash content	IS 1155:1968 ( RA 2015)	0.001% to 3%
		Total ash (Excluding NaCl)	IS 1158: 1973(RA 1998)	0.02% to 20 %
		Acid insoluble ash	IS 1155: 1968 (RA 2015)	0.001% to 10 %
		Alcoholic acidity	IS 1155: 1968 (RA 2015)	0.01% to 5.0 %
		Peroxide value in extracted fat	IS 548 (Part 1):1964 (RA 2015)	0.1 milq/kg to 15 milq/kg
(iii)	<b>Herbs, spices &amp;condiments</b>	Moisture	IS 1797: 1985 (RA 2009)	0.01% to 50%
	<b>(Coriander Powder &amp; Chilli)</b>	Ash content	IS 1797:1985(RA 2009)	0.001% to 10%
		Acid insoluble ash	IS 1797: 1985 (RA 2009)	0.001% to 10%
		Acid insoluble matter	IS 7224: 1973 (RA 2010)	0.001% to 10%
		Crude fibre	IS 5194: 1996 (RA2006)	0.5% to 20%
(iv)	<b>Bakery &amp; confectionery products</b>			
	<b>Bread ,Biscuit and Toffee</b>	Moisture	IS 1011: 2009	0.01% to 40%
		Crude Fibre	IS 12711: 1973 (RA 2010)	0.1% to 30%
		Crude Protein	IS 7219: 1973	0.1% to 50%

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			(RA2010)	
		Acid insoluble ash	IS 6747: 1981	0.001% to 25%
		pH	IS 12711: 1973 (RA 2010)	1 to 14
		Ash content	IS 7463: 2013	0.01% to 10%
		Alcoholic acidity	IS 12711: 2004 (RA 2010)	0.01% to 10.0%
(v)	<b>Ready to eat foods</b>			
	<b>(Noodles And Kurkure)</b>	Moisture	IS 4684: 1975 (RA 2015)	0.5% to 50%
		Total ash	IS 4684: 1975 (RA 2015)	0.001% to 10%
		Acid insoluble ash	IS 4684: 1975	0.001% to 10%
		Fat	FSSAI Manual , 2016	1.0% to 20%
		Total sugar	IS 4079: 1967 (RA 2011)	0.1% to 50%
		Total ash soluble in boiling distilled water	IS 14433: 2007 (RA 2012)	0.05% to 20%
		Ash soluble in HCl	IS 14433: 2007 (RA 2012)	0.1% to 10%
		Alkalinity of soluble ash	FSSAI Manual, 2016	0.1% to 80.0%
		Crude fibre	IS 4684: 1975 (RA 2015)	1% to 15%
		Crude Protein Content	FSSAI Manual Cereal & Cereal Products 2016	0.1% to 20%
		Fat Content	IS 4684: 1975 (RA 2015)	0.1% to 10%
(vi)	<b>Oil, seeds &amp; by-products</b>			
	<b>Soya bean Oil</b>	Boiling Point	IS 548:1968 (RA 2015)	30°C to 50°C
		Moisture and insoluble impurities	IS 548 (Part 1): 1964 (RA 2015)	0.01% to 5%

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		Volatile Matter	FSSAI Manual Oil & Fat 2016	0.1% to 20 %
		Acid value	IS 548 (Part 1): 1964 (RA 2015)	0.01 to 10
		Unsaponification value	FSSAI Manual Oil & Fat 2016	0.1 to 15
		Refractive index	IS 4941: 1994 (2008)	1.0005 to 1.9995
		Iodine value	IS 548 (Part 1): 1964 (RA 2015)	1 mg/kg to 200 mg/kg
(vii)	<b>Sugar &amp; sugar products</b>			
	<b>Sugar and Honey</b>	Moisture	IS 15279:2003 (RA 2008)	0.05% to 50%
		pH	IS 15279: 2003 (RA 2008)	1 to 14
		Total ash	IS 12711: 1989 (RA 2010)	0.01% to 20 %
		Total solids	IS 13688: 1999 (RA 2014)	20% to 99%
		Sulphated ash	IS 6287: 1885 (RA 2010)	0.01% to 10%
		Insoluble matter	IS 15279 :2003 (RA 2013)	0.1% to 10%
(viii)	<b>Nuts and Nut products</b>	Moisture	IS 4333 :1996 (RA 2012)	0.01% to 40 %
		Ash content	IS 4333:1996 (RA 2012)	0.01% to 20%
(ix)	<b>Milk &amp; dairy products</b>			
	<b>Raw Milk and milk powder</b>	Moisture	IS 11623:2008 IS 16072: 2012 (RA 2013)	0.01% to 30%
		Total Solids	IS 13334: 2014	70% to 100%
		Milk Crude Protein	IS 7219: 2010	0.1% to 70 %

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		Fat	IS 11721: 2013	10% to 50%
		Total Ash	IS 14433:2007 (RA 2012)	0.01% to 10%
		Acid insoluble Ash	IS 14433: 2007 (RA2012)	0.001% to 5%
		Total Carbohydrates	IS 1656: 2007 (RA 2012)	0.01 % to 80%
		Crude Fibre	IS 10226:1982 (RA 2015)	0.5% to 15%
III.	<b>ANIMAL FOOD &amp; FEEDS</b>			
1.	<b>Animal Feeds (Soya meal DOC)</b>	Moisture	IS 2052: 2009	1.0% to 25.0%
		Acid insoluble ash	IS 2052: 2009	1.0% to 10%
		Crude fat	IS 2052: 2009	0.1% to 15.0%
		Crude Protein	IS 2052: 2009	0.1% to 40.0%
IV.	<b>WATER</b>			
1.	<b>Water for drinking purpose/natural mineral water/ packaged drinking water/processed food industry</b>	Colour	IS 3025 (Part 4): 1983 (RA 2017)	1 Hazen to 25 Hazen
		Turbidity	IS 3025 (Part 10) :1984 (RA 2017)	1 NTU to 20 NTU
		pH value	IS 3025 (Part 11): 1984 (RA 2017)	1 to 14
		Total hardness	IS 3025 (Part 21):2009 (RA 2014)	1mg/L to 300mg/L
		Chlorides	IS 3025 (Part 32): 1988 (RA 2014)	1mg/L to 200 mg/L
		Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23):1986 (RA 2014)	1mg/L to 500mg/L
		Conductivity	IS 3025 (P-14) :1984 (RA 2013)	0.1 µS/cm to 1000 µS/cm

**\*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.**

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Convenor

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