

Laboratory	Sugar Laboratory, Vasantdada sugar Institute, Manjari Bk, Tal: Haveli Dist: Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	13.01.2015
Certificate Number	T-0571	Valid Until	12.01.2017
Last Amended on	-	Page	1 of 2

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.	Crystalline White Sugar	ICUMSA Colour	GS2/3-10 (2011) IS 5982: 2003	5 IU to 200 IU
2.	Plantation White Sugars, Raw Sugars, Affined Raw Sugars	ICUMSA Colour at pH 7.0	GS9/1/2/3-8 (2011)	5 IU to 16000 IU
3.	Crystalline, Powdered White Sugars	ICUMSA Colour (at pH 7.0)	GS2/3-9 (2005)	5 IU to 600 IU
4.	Raw Sugars, Affined Raw Sugars and Partly Refined and Brown Sugars	ICUMSA Colour (at pH 7.0)	GS1/3 – 7 (2011)	5 IU to 42000 IU
5.	White Sugar, Specialty Sugars, Raw Sugar and Plantation White Sugars	Loss on Drying	GS2/1/3/9-15 (2007) IS 5982: 2003	0.01 g/100g to 0.20 g/100g
6.	White Sugar and Plantation White Sugar	Reducing Sugar	GS2/9-6 (2011) IS 5982: 2003	0.02 g/100g to 0.10 g/100g
7.	Cane Molasses	Reducing Sugar	GS4/3-3 (2007)	10.0 g/100g to 25.0 g/100g
8.	Cane Molasses	Total Reducing Sugars	GS4/3-7 (2011) IS 1162: 1999	30.0 g/100g to 60.0 g/100g

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9.	White Sugars	Insoluble Matter	GS2/3/9-19 (2007)	50 mg /kg to 500 mg /kg
10.	White Sugars	Polarization	GS2/3-1 (2011) IS 5982: 2003	95 ⁰ Z to 99.96 ⁰ Z
11.	Raw Sugars	Polarisation	GS 1/2/3/9-1 (2011)	94 ⁰ Z to 99.50 ⁰ Z
12.	Raw Sugar and Molasses	Conductivity ash	GS1/3/4/7/8-13 (1994)	0.05 to 20.0 g/100g
13.	Plantation White Sugar	Conductivity ash	GS 2/3/9-17 (2011) IS 5982: 2003	0.015 g/100g to 0.10 g/100g
14.	Raw Sugar, Brown Sugar and Molasses	Sulphated ash	GS1/3/4/7/8-11 (1994) IS 1162: 1999	0.10 g/100g to 20.0 g/100g
15.	White Sugar, Very Very High Pol Raw Sugar	Sulphite as SO ₂ Content	GS2/1/7/9 –33 (2011) IS 5982: 2003	0.1 mg/kg to 30.0 mg/kg
16.	Cane Raw Sugar	Reducing Sugar	GS1/3/7-3 (2005)	0.015 g/100g to 0.50 g/100g
17.	Plantation White Sugar	Grain size group of Crystal sugar	IS 498: 2003	Grade L, M, S and SS
18.	Plantation White Sugar	Colour of Crystal Sugar	IS 498: 2003	Visual comparison (through 30 & 31 Indian Sugar Standard)
19.	Cane Molasses	Brix	IS 1162: 1999	45 ⁰ brix to 95 ⁰ brix

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