

Laboratory Procomm Laboratories-National Bulk Handling Corporation Private Limited, 1st Floor, Office No. 37-40, Shilp Arcade Complex, Sardar Chock, Unjha, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8359

Page 1 of 4

Validity 21.02.2019 to 20.02.2021

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

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

I.	FOOD & AGRICULTURAL PRODUCTS			
A.	Cereals and Pulses & Cereal Products			
1.	Wheat, Chana, Maize, Barley, Rajma, Red gram	Foreign Matter	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Damaged	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Other Food Grains	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Shrivelled/ Immature	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Varietal Admixture	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Insect Damage	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Broken	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Kernels with husk	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Slightly damaged/ Touched	IS 4333 (Part 1)	(0.1 to 40.0) % m/m
		Undehusked split	IS 4333 (Part 1)	(0.1 to 20.0) % m/m
	Moisture	IS 4333 (Part 2)	(1.0 to 20.0) % m/m	
	Test Weight	IS 4333 (Part 3)	(70 to 90) Kg/HL	
	Count	IS 4333 (Part 4)	(200 to 500)/ 100 g	
	Mass of 1000 grains	IS 4333 (Part 4)	10.0 g to 500.0 g	
2.	Maize	Moisture content	ES ISO 6540	(5.0 to 20.0) % m/m
B.	Oil Seeds & By Products			
1.	Mustard, Soya bean seeds, sesame seeds Castor seeds	Moisture content	IS 3579	(2.0 to 20.0) % m/m
		Impurities (As Foreign Body)	IS 3579	(0.1 to 40.0) % m/m
		Damaged, Weevilled Discolored	IS 3579	(0.1 to 40.0) % m/m

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Page 2 of 4

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		Immature, Shrivelled beans	IS 3579	(0.1 to 20.0) % m/m
		Nooks	IS 3579	(0.1 to 40.0) % m/m
		Oil content	IS 3579	(5.0 to 50.0) % m/m
		Acid value of extracted oil	IS 3579	(0.1 to 40.0) mg KOH/ g
2.	Soya bean	Splits, broken	IS 3579	(0.1 to 40.0) % m/m
C.	Spices & Condiments			
1.	Coriander, Cumin, Fenugreek, Red chilli, Turmeric	Extraneous matter	IS 1797	(0.1 to 20.0) % m/m
		Moisture	IS 1797	(1.0 to 20.0) % m/v
		Insect damaged Seed	AGMARK/ Schedule: 22	(0.1 to 20.0) % m/m
		Non-volatile ether extract (on dry basis)	IS 1797	(1.0 to 25.0) % m/m
		Total ash (on dry basis)	IS 1797	(0.5 to 15.0) % m/m
		Ash insoluble in Dil. HCl (on dry basis)	IS 1797	(0.1 to 10.0) % m/m
2.	Cumin and Coriander	Volatile Oil (on dry basis)	IS 1797	(0.2 to 25.0) % m/m
		Damaged, Discolored & Weevilled seeds	IS 2447	(0.1 to 10.0) % m/m
		Shrivelled & Immature Seed	IS 2447	(0.1 to 5.0) % m/m
		Seeds with stalks	NBHC-PL/SOP/CHEM/16	(0.1 to 20.0) % m/m
3.	Turmeric	Defective rhizomes	IS 3576	(0.1 to 40.0) % m/m
		Lead chromate test	IS 3576	Qualitative (Present/ Absent)
4.	Cumin	Test Weight (on count basis)	IS 4333 (Part 4)	200/ g to 350/ g
5.	Red Chilli	Broken fruits, seed and fragments	IS 2322	(0.1 to 25.0) % m/m
		Unripe and marked fruits	IS 2322	(0.1 to 25.0) % m/m

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Page 3 of 4

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6.	Coriander	Split fruits	AGMARK/ Schedule: XV	(1.0 to 50.0) % m/m
D.	Legumes (Guar Gum)	Moisture	IS 4333 (Part 2)	(5.0 to 15.0) % m/m
		Ash	IS 7437	(0.1 to 10.0) % m/m
		Protein	IS/ ISO 5983-2	(1.0 to 15.0) % m/m
		Residue insoluble in acid	IS 3988	(0.1 to 10.0) % m/m
		Undehusked splits	NBHC-PL/SOP/CHEM/38	(0.1 to 20.0) % m/m
		Gum (By difference)	IS 7437	(60 to 90) % m/m
		Material passing through test sieve - ASTM 14/ IS 1.4 mm (Sieve test)	IS 460 (Part 1)	(0.1 to 5.0) % m/m
		Material passing through test sieve - ASTM 20/ IS 0.85 mm (Sieve test)	IS 460 (Part 1)	(0.1 to 5.0) % m/m
		Foreign Particles (all non-gum particles)	IS 4333 (Part 1)	(0.1 to 5.0) % m/m
E.	Guar Seeds	Damaged seeds including mechanical injuries	IS 4333 (Part 1)	(0.1 to 5.0) % m/m
		Foreign Matter	IS 4333 (Part 1)	(0.1 to 5.0) % m/m
		Shrivelled/ Immature	IS 4333 (Part 1)	(0.1 to 10.0) % m/m
		Moisture	IS 4333 (Part 2)	(1.0 to 15.0) % m/m
		Other Food Grains	IS 4333 (Part 1)	(0.1 to 10.0) % m/m
		Protein	IS/ISO 5983-2	(5.0 to 40.0) % m/m
		Whitish seed	NBHC-PL/SOP/CHEM/29	(95.0 to 100.0) % m/m

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Page 4 of 4

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II.	ANIMAL FOOD & FEEDS			
1.	Mustard oil cake, cotton oil cake, Soya DOC, Cattle feeds, Poultry feeds	Moisture	IS 7874 (Part 1)	(1.0 to 15.0) % m/m
		Crude Protein (Nitrogen x 6.25)	IS/ ISO 5983-2	(5.0 to 50.0) % m/m
		Crude fat or ether extract	IS 7874 (Part 1)	(1.0 to 10.0) % m/m
		Crude fiber	IS 7874 (Part 1)	(1.0 to 20.0) %m/m
		Total Ash	IS 7874 (Part 1)	(0.1 to 10.0) % m/m
		Acid insoluble ash	IS 7874 (Part 1)	(0.05 to 5.0) % m/m
		Castor husk	IS 7874 (Part 1)	Qualitative (Present/ Absent)
		Acid Value of Extracted Oil	IS 3579	(0.1 to 20.0) % m/m