

Laboratory **Nokha Analysis & Certification Laboratory, 2nd Floor, CR Tower, Sriganganagar Road, Bikaner, Rajasthan**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7533**

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Validity **04.07.2018 to 03.07.2020**

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

I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Food Grains/ Pulses	Moisture	IS 4333 (Part II)	1.00% to 15%
	i) Wheat, Barley, Chana, Maize, Guar seed, Guar Gum splits, Rice, Millet (Bajra), Moong, Moth, Urad, Tuar, Sorghum (Jowar), Arhar whole/ split	Foreign Matter (Organic/Inorganic)	IS 4333 (Part I)	0.01% to 20%
		Shrunken / Shriveled / Broken grains/Splits/ Immature seed	IS 4333 (Part I)	0.01% to 20%
		Weevil led Seed	IS 4333 (Part I)	0.01% to 20%
		Damaged seed/Damage Kernel	IS 4333 (Part I)	0.01% to 20%
		Varietal admixture	IS 4333 (Part I)	0.01% to 20%
	i) Barley Kernels	Total count per thousand kernel (TCW)	IS 4333 (Part IV)	20 g/1000 kernel to 60 g/1000 kernel
	ii) Guar Gum Splits	Undehusked Splits	IS 7437	0.01% to 20 %
		Black, Dark Red & Red Brown colored splits	IS 4333 (Part I)	0.01 % to 20 %
		Protein	IS 7437	1% to 60 %
		Residue insoluble in acid	IS:3988	0.1% to 10 %
2.	Oil Seeds			
	(i) Rape Seeds, Mustard Seeds, Soybean, Castor seed, Ground Nut, Sesame, Sunflower (whole & Ground)	Moisture	IS 3579	0.5 % to 10 %
		Foreign matter	IS 3579	0.01% to 10.0%
		Oil Content (Dry basis)	IS 3579	10.0% to 70.0 %
		Acid Value of Extracted oil	IS 3579	0.01% to 15.0 %

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	ii) Soybean Whole	Damaged Seed	IS 3579	0.01% to 20.0 %
3.	Oils & Fats			
	Rape Oil, Mustard Oil, Soybean Oil, Castor Oil, Ground Nut Oil, Sesame Oil, Sunflower Oil	Moisture	IS 548 (Part 1) with clause 5.1	0.01% to 10 %
		Free Fatty Acid (FFA)	IS 548 (Part 1)	0.01% to 15.0 %
4.	Spice & Condiments			
	(i) Coriander (Dhaniya), Cumin Seed (Jeera), Turmeric, Chili, Pepper, Fenugreek (Methi) Fennel (Sounf) (Whole & Ground)	Moisture	IS 1797	0.1 % to 10.0 %
		Foreign Matter (Extraneous matter/Edible seeds other than cumin)	IS 1797	0.01% to 10.0 %
	ii) Coriander Seed	Coriander splits	IS 1797	0.01% to 10.0 %
		Damaged, discolored & Shriveled Seeds	IS 1797	0.01% to 10.0 %
		Weevil led Seeds	IS 1797	0.01 % to 10.0 %
	iii) Turmeric whole	Extraneous Matter	IS 1797	0.01% to 15.0 %
		Defective Rhizomes (Damage due to moisture and over boiling)	IS 3576	0.01 % to 20.0 %
	iv) Chili Whole	Foreign Matter	IS 1797	0.01% to 10.0%
		Broken Chilies,	IS 1797	0.01% to 10.0%
		Damaged & Discolored seed / Black stained & Unripe seed	IS 1797	0.01% to 50.0%
	v) Pepper	Color	IS 2322	Qualitative
		Light berry	IS 1798	0.01% to 10.0%

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II.	ANIMAL FOOD & FEEDS			
1.	Animal Feed-Oil seed meal cake (Cotton seed meal cake, Groundnut seed meal cake, Mustard seed meal cake)	Oil Content (Dry basis)	IS 7874 (Part I)	0.01% to 30 %
		Total Ash (Dry basis)	IS 7874 (Part I)	0.01% to 10 %
		Moisture	IS 7874 (Part I)	1.0 % to 20 %
		Acid insoluble Ash (Sand & or Silica)	IS 7874 (Part I)	0.01% to 10 %