

Laboratory **Kalyx Laboratory Pvt. Ltd., RS No. 06, Off. Kadi Chhatral Road,  
Village: Indraad, Kadi, Gujarat**

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

Certificate Number **TC-7609**

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Validity **25.07.2018 to 24.07.2020**

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.	<b>FOOD &amp; AGRICULTURAL PRODUCTS</b>			
1.	<b>FOOD GRAINS/PULSES Wheat , Barley, Chana, Maize, Guar seed, Guar Gum splits, Pscyllium (Isabgol), Rice, Millet (Bajra), Moong, Moth, Urad, Tuar, Sorghum (Jowar), Arhar whole/split</b>	Moisture	IS 4333 (Part II) 2002 (RA 2012)	1.00 % to 20 %
		Foreign Matter	IS 4333 (Part I) 1996 (RA 2012)	Upto 20 %
		Refraction: Other food grain Damaged Discoloured Insect Damaged Fragments Broken Slightly damaged or touched Red grains Shriveled or immature Varietal admixture	IS 4333 (Part I) 1996 (RA 2012)	Upto to 20%
		Mass of 1000 grains	IS 4333 (Part IV) 2002 (RA 2012)	20 gm/1000 grains to 200 gm/1000 grains
2.	<b>Oil Seeds</b>			
A.	<b>Rape Seeds, Mustard Seeds, Soybean, Castor seed, Ground Nut, Sesame, Sunflower (whole &amp; Ground)</b>	Moisture	IS 3579:1966. (RA 2015)	0.5 % to 15 %
		Physical examination: Impurities (Dust, Non organic matter, Other Oilseeds), Damaged & Weeviled seed, Slightly Damaged, Shriveled or immature Fragments, Split & Broken	IS 3579:1966. (RA 2015)	Upto 10.0%

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		Oil Content	IS 3579:1966.(RA 2015)	5.0 % to 70.0 %
		Acid value of extracted oil	IS 3579:1966.(RA 2015)	0.01 % to 15.0 %
<b>3.</b>	<b>Oils &amp; Fats</b>			
<b>A.</b>	<b>Rape Oil, Mustard Oil, Soybean Oil, Castor Oil, Ground Nut Oil, Sesame Oil, Sunflower Oil</b>	Moisture	IS 548(Part 1)-1964 (RA 2015) (By Air oven method)	0.1 % to 10 %
		Free Fatty Acid (FFA)	IS 548(Part 1)-1964 (RA 2015)	0.01 % to 15.0 %
<b>4.</b>	<b>Spice &amp; Condiments</b>			
<b>A.</b>	<b>Coriander (Dhaniya), Cumin Seed (Jeera), Turmeric, Chili, Pepper, Fenugreek (Methi) Fennel (Sounf) (Whole &amp; Ground)</b>	Moisture	IS 1797:1985.(RA 2013)	0.1 % to 20.0 %
		Extraneous matter	IS 1797:1985.(RA 2013)	Upto 20.0 %
<b>B.</b>	<b>Coriander Seed</b>	Split fruits	IS 2443:2008	Upto 15.0 %
		Damaged, discolored & Weevil led Seeds	IS 2443:2008	Upto 15.0 %
		Shriveled & immature fruits	IS 2443:2008	Upto 15.0 %
<b>C.</b>	<b>Turmeric whole</b>	Defective Rhizomes	IS 3576-2010	Upto 20.0 %
<b>D.</b>	<b>Chili Whole</b>	Colour	IS 2322:2010	Qualitative
		Unripe, marked & broken fruits	IS 2322-2010	Upto 70.0%
<b>II.</b>	<b>ANIMAL FEED &amp; FOOD</b>			
<b>1.</b>	<b>Animal Feed-Oil seed meal cake (Cotton seed meal cake, Groundnut seed meal cake,</b>	Crude Fat	IS 7874 (Part I)-1975 (RA 2014)	0.10 % to 30 %
		Total Ash (Dry basis)	IS 7874 (Part I)-1975 (RA 2014)	0.01 % to 10 %
		Moisture	IS 7874 (Part I )-1975	0.5 % to 20 %

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	Mustard seed meal cake)		(RA 2014)	
		Acid Insoluble Ash	IS 7874 (Part I)-1975 (RA 2014)	0.01 % to 10 %