

Laboratory Edelweiss Rural & Corporate Services Limited, Laboratory Division,
Plot No. 70 & 71, Second Floor, Sector-19A, Vashi, Navi Mumbai,
Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7617

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Sl.	Materials or Products tested	Component, parameter or characteristic tested	Tests or type of tests performed and, where appropriate, methods and/or equipment used
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CHEMICAL TESTING

I. ANIMAL FOOD & FEEDS			
1.	Animal Feeds	Moisture	GAFTA-130/2:1:2014, IS 7874 (Part I):1975 (RA 2014)
		Protein (Nx6.25)	GAFTA-130/4:1:2014, IS 7874 (Part I):1975 (RA 2014)
		Ash insoluble in hydrochloric acid (Sand-Silica)	GAFTA-130/12.0:2014, IS 7874 (Part I):1975 (RA 2014)
		Total ash	GAFTA-130:11.0-2014, IS 7874 (Part I):1975 (RA 2014)
		Crude Fibre	GAFTA 130:9.0-2014, IS 7874 (Part I):1975 (RA 2014)
		Crude Oil/Fat	GAFTA-130/3:0:2014, IS 7874 (Part I):1975 (RA 2014)
		Urease activity	GAFTA-130/22:0:2014
		Ammonical Nitrogen	IS 7874 (Part I):1975 (RA 2014)
		Carbohydrates	By Calculation
		Energy	By Calculation
		Salt (As NaCl)	IS 7874 (Part I):1975 (RA 2014)
		FFA of Extracted oil	IS 548 (Part 1):1964 (RA 2015)

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		Calcium as Ca	GAFTA:130-14:12014, IS 7874 (Part I):1975 (RA 2014)
		Phosphorous as P	GAFTA:130-8:0-2014, IS 7874 (Part I):1975 (RA 2014)
II.	FOOD & AGRICULTURAL PRODUCTS		
1.	Oil Seeds	Moisture	IS 3579:1966 (RA 2015)
		Impurities (foreign matter)	IS 3579:1966 (RA 2015)
		Oil content	IS 3579:1966 (RA 2015)
		Acid Value	IS 3579:1966 (RA 2015)
		Damaged	IS 3579:1966 (RA 2015)
		Shrivelled and immature	IS 3579:1966 (RA 2015)
		Split kernel	IS 3579:1966 (RA 2015)
		Broken kernels	IS 3579:1966 (RA 2015)
2.	Cereals & Pulses	Moisture (Except Maize)	IS 4333(Part 2):2017
		Moisture (Maize)	ISO 6540:1980
		Foreign Matter	IS 4333(Part 1):1996 (RA 2017)
		Damaged	IS 4333(Part 1):1996 (RA 2017)
		Insect damaged	IS 4333(Part 1):1996 (RA 2017)
		Split & Broken	IS 4333(Part 1):1996 (RA 2017)
		Shrivelled or immature	IS 4333(Part 1):1996 (RA 2017)
		Varietal admixture	IS 4333(Part 1):1996 (RA 2017)
		Chalky	IS 4333(Part 1):1996 (RA 2017)

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		Red Grain	IS 4333 (Part 1):1996 (RA 2017)
		Kernel with Husk	IS 4333 (Part 1):1996 (RA 2017)
		Count/Ounce	FOSFA:2014
		Aflatoxin (B1,B2,G1,G2)	AOAC (20 th Edition) 999.07:2016
3.	Wheat Flour/ Maida/Rava etc.	Moisture	IS 1155:1968 (RA 2015) IS 1009:1979 (RA 2015) IS 1010:1968 (RA 2015)
		Protein (N x 5.7)	GAFTA-130/4:1:2014; IS 7219:1973 (RA 2015)
		Gluten	IS 1155:1968 (RA 2015)
		Ash Content	IS 1155:1968 (RA 2015) IS 1010:1968 (RA 2015) IS 1009:1979 (RA 2015)
		Acid Insoluble Ash	IS 1155:1968 (RA 2015) IS 1010:1968 (RA 2015) IS 1009:1979 (RA 2015)
		alcoholic Acidity as H ₂ SO ₄	IS 1155:1968 (RA 2015) IS 1010:1979 (RA 2015) IS 1009:1979 (RA 2015)
		Crude Fibre	IS 1155:1968 (RA 2015)
4.	Palm oil, Soybean Oil, Mustard oil, Groundnut oil Sunflower oil, Sesame oil, Cotton seeds oil, rice bran oil, Ghee & Butter	Moisture %	IS 548 (Part 1):1964 (RA 2015)
		Insoluble Impurities	IS 548 (Part 1):1964 (RA 2015)
		Refractive Index	IS 548 (Part 1):1964, (RA 2015)
		Saponification value	IS 548 (Part 1):1964 (RA 2015)
		Iodine value (wij's method)	IS 548 (Part 1):1964 (RA 2015)

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		Unsaponifiable matter	IS 548 (Part 1):1964 (RA 2015)
		Acid Value	IS 548 (Part 1):1964 (RA 2015)
		free fatty acid	IS 548 (Part 1):1964 (RA 2015)
		Peroxide Value	IS 548 (Part 1):1964 (RA 2015)
		Colour on Lovibond scale	IS 548 (Part 1):1964 (RA 2015)
		Specific Gravity/Density	IS 548 (Part 1):1964 (RA 2015)
		Viscosity	AOCS Ja 10-87:2009
		Fatty Acid Composition	ISO 5509:2000(E)
		Adulteration Test	IS 548 Part 2:1976 (RA 2015)
5.	White Sugar	Polarisation	ICUMSA GS2/3-1(2011)/ IS 15279:2003(RA 2018)
		Colour in Water	ICUMS GS2/3-10(2011)/ IS 15279:2003(RA 2018)
		Colour at pH7 (MOPS buffer)	ICUMSA GS 9/1/2/3-8(2011)
		Colour at pH7 (TEA/HCl buffer)	ICUMSA GS 2/3-9(2005)
		Moisture	ICUMSA-GS2/1/3/-15 (2007)/ IS 15279:2003 (RA 2018)
		Conductivity Ash	ICUMSA GS2/3/9-17(2011)/ IS 15279:2003 (RA 2018)
		Sulphated Ash	ICUMSA-GS1-10(1998)/ IS 15279:2003 (RA 2018)
		Grade	IS 498:2003 (RA 2012)
6.	Raw Sugar	Polarisation	ICUMSA GS 1/2/3/9-(2011)/IS 15279:2003 (RA 2018)

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		Colour at pH7 in Water	ICUMSA GS 1/3-7(2011)
		Colour at pH7 (MOPS buffer)	ICUMSA-GS 9/1/2/3-8 (2011)
		Moisture	ICUMSA-GS2/1/3/-15 (2007)/ IS 15279:2003 (RA 2018)
		Conductivity Ash	ICUMSA GS 1/3/4/7/8- 13(2011)/15279:2003 (RA 2018)
		Sulphated Ash	ICUMSA GS1-10
7.	Jaggery(Gur)	Sucrose	FSSAI Manual for Beverages,Sugar and Confectionery Products (CI 7.4)
		Reducing Sugar	FSSAI Manual for Beverages,Sugar and Confectionery Products (CI 6.4.1)
		Total reducing Sugar	FSSAI Manual for Beverages,Sugar and Confectionery Products (CI 6.4)
		Moisture	15279:2003 (RA 2018)
		Water Insoluble Matter	FSSAI Manual for Beverages,Sugar and Confectionery Products (CI 9.2)
		Sulphated Ash	FSSAI Manual for Beverages,Sugar and Confectionery Products (CI 10.0)
8.	Spices and condiments	Moisture	IS 1797:2017
		Extraneous matter	IS 1797:2017
		Total Ash	IS 1797:2017
		Crude fibre	IS 1797:2017
		Volatile oil	IS 1797:2017
		Non-Volatile ether extract	IS 1797:2017
		Acid insoluble ash	IS 1797:2017

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		Bulk density	IS 1797:2017
		Alcohol Extract/Water Extract	IS 1797:2017
19.	Turmeric (whole)	Bulb	IS 3576:2010 (RA 2010)
		Defective Rhizomes	
		Pieces/fragments (≤ 15mm)	
		Curcumin Contain	IS 10925:1984
10.	Chilly (Whole)	Unripe & marked fruits %	IS 2322:2010 (RA 2015)
		Broken seeds & Fragments %	
11.	Coriander (Whole)	Split Seeds	IS 2443:2008 (RA 2013)
		Damaged, discolour & weevilled	
		Shrivelled & immature	
12.	Fenugreek Seeds	Damaged & insect bored seeds %	IS 3795:2010 (RA 2015)
		Edible seeds other than Fenugreek %	
13.	Fennel seeds (whole)	Broken %	IS 3796:2011 (RA 2013)
		Discolour, Blackened, Damage %	
		Shrivelled & Immature%	
		Other Edible seeds %	
14.	Cloves (whole)	Immature & Khokar cloves %	IS 4404:2010 (RA 2015)
		Clove stem %	
		Headless Cloves %	
15.	Cumin (whole)	Damaged, discolour, & weevilled%	IS 2447:2010 (RA 2015)
		Shrivelled & Immature %	
16.	Black Pepper (whole)	Pinheads %	IS 1798:2010 (RA 2015)
		Broken Berries %	
		Insect damaged %	

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17.	Milk and dairy products	Moisture	IS 16072:2012, (RA 2018)
		Protein (Nx6.38)	IS 7219:1973, (RA 2015)
		Total Ash	IS 1165:2002 (RA 2018)
		Fat	IS 11721:2013 (RA 2018)
		Total solids	IS 1165:2002 (RA 2018)
		Titration Acidity as Lactic Acid	IS 11766:1986 (RA 2018)
		pH	IS 1479:1960 (RA 2018)
18.	Bakery And Confectionery Products	Moisture	IS 12711:1989 (RA 2015)
		Total Ash	IS 12711:1989 (RA 2015)
		Acid Insoluble Ash	IS 12711:1989 (RA 2015)
		Fat	IS 12711:1989 (RA 2015)
		Acidity of Extracted Fat	IS 12711:1989 (RA 2015)
		Ph of Aqueous Extract	IS 12711:1989 (RA 2015)
		Crude Fibre	IS 12711:1989 (RA 2015)
		Alcoholic Acidity	IS 12711:1989 (RA 2015)
		Protein	IS 7219:1973 (RA 2015)
III.	WATER		
1.	Water	pH	IS 3025 (Part II):1983 (RA 2015)
		Total Hardness asCaCO ₃	IS 3025 (Part 21):2009 (RA 2014)
		Total Dissolved Solids/Total Solids	IS 3025(Part 15):1984 (RA 2014)
		Alkalinity as CaCO ₃	IS 3025 (Part 23):1986 (RA 2014)
		Conductance	IS 3025(Part 14):2013
		Calcium as Ca	IS 3025 (Part 40):1991 (RA 2014)
		Magnesium as Mg	IS 3025 (Part46):1994 (RA 2014)

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		Chloride as Cl	IS 3025(Part 32):1988 (RA 2014)
		Sodium as Na	IS 3025(Part 45):1993 (RA 2014)
		Potassium as K	IS 3025(Part 45):1993 (RA 2014)