

Laboratory Inspectorate Griffith India Pvt. Ltd., Indore Laboratory, Flat No. 203,
Phanse Avenue, 30, Patel Nagar, Indore, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5214

Page 1 of 5

Validity 23.02.2019 to 22.02.2021

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.	ANIMAL FOOD & FEEDS			
1.	Mustard Meal/Cake	Moisture and other volatile matter content	ISO 6496	2.0 g/100 g to 20.0 g/100g
	Rapeseed/ Cotton Seed Cake/Meal/ Guar Meal/ Different Soya Groups (Soya Badi, Organic Soya Meal, Corn Gluten Meal, Distiller's dried Grains with Soluble Chunk) Groundnut Meal/Cake/ Rice by-products, Rice Products, DORB, Rice Polish, Rice Bran/Feeding Stuffs/Yellow Soya bean Meal, Defatted soya Flakes(Toasted), Defatted Soya Flakes(Untoasted), Defatted Soya Grits(Untoasted/ Toasted), Defatted Soya	Crude protein content (NX6.25)	ISO 5983-1	2.0 g/100g to 60.0 g/100g
		Ash insoluble in hydrochloric acid	ISO 5985	0.1 g/100g to 10.0 g/100g
		Crude ash	ISO 5984	1.0 g/100g to 12.0 g/100g
		Crude fiber content	ISO 6865	0.5 g/100g to 20.0 g/100g
		Fat content	ISO 6492	0.1 g/100g to 22.0 g/100g
		Urease Activity(toasted) (change in pH unit) at 30 °C	ISO 5506	0.02 to 1.0
		Urease Activity (untoasted) (change in pH unit) at 30 °C	IS 7837/IS 7835 (Annex B)	1.0 to 2.50
		Nitrogen Solubility Index (Toasted)	AOCS Ba11-65	5.0 g/100g to 30.0 g/100g
		Nitrogen Solubility Index (untoasted)	AOCS Ba11-65	40.0 g/100g to 70.0 g/100g

Pooja Singh
Convenor

Jitendra B. Vispute
Program Manager

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Page 2 of 5

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	Flour(Untoasted/ Toasted), Full fat active enzyme Granules Chunks (Toasted)/ Soya Protein concentrate, Organic Soya meal, Corn Gluten Meal, Distiller's dried grains with soluble			
II.	FOOD & AGRICULTURAL PRODUCTS			
1.	Wheat Flour, Atta, Semolina	Moisture	IS 1155	1.0 to 16.0g/100g
		Crude protein content (NX5.7)	ISO 20483	2.0 to 20.0g/100g
		Acid Insoluble in ash	IS 1155	0.01 g/100g to 2.0 g/100g
		Total ash	IS 1155	0.1 g/100g to 3.0 g/100g
		Crude fibre	IS 1155	0.1 g/100g to 5.0 g/100g
		Gluten (Dry)	IS 1155	1.0 g/100g to 15.0 g/100g
		Gluten (Wet)	ISO 21415-1	10.0 g/100g to 35.0 g/100g
3.	Cereals and Cereal Products- Wheat, Rice (Paddy, Husked and Milled), Barley Millets, Rye, Oats, Triticale, Sorghum, Milled	Moisture content	ISO 712	5.0 g/100g to 20.0 g/100g

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	Grain, Semolina or Flour			
4.	Maize	Moisture content	ISO 6540	5.0 g/100g to 20.0 g/100g
5.	Pulses-Chick Peas, Gram, Lentils, Peas, and all classes of beans, Tuar Dal, Urad Dal, Lentils or Masoor Dal	Moisture content	ISO 24557/ IS 4333 (Part 2)	5.0 g/100g to 20.0 g/100g
6.	Cereals and Cereal Products- Wheat, Rice (Paddy, Husked and Milled), Barley Millets, Rye, Oats, Triticale, Sorghum, Milled Grain, Pulses- Chick Peas- Lentils, Peas, and all Classes of Beans, Tuar Dal, Urad Dal, Lentils or Masoor Dal, Maize, Millets	Fat content	ISO 6492	0.5to60.0g/100g
		Crude protein content	ISO 20483	2.0 g/100g to 15.0 g/100g
		Broken	IS 4333 (Part 1)	0.01 g/100g to 25.0 g/100g
		Damaged, Pin point damage	IS 4333 (Part 1)	0.01 g/100g to 15.0 g/100g
		Discolored	IS 4333 (Part 1)	0.01 g/100g to 25.0 g/100g
		Fragments	IS 4333 (Part 1)	0.01 g/100g to 15.0 g/100g
		Chalky (in case of rice)	IS 4333 (Part 1)	0.01 g/100g to 15.0 g/100g
		Slightly damaged or touched	IS 4333 (Part 1)	0.01 g/100g to 15.0 g/100g
		Foreign Matter	IS 4333 (Part 1)	0.01 g/100g to 25.0 g/100g
		Insect Damaged	IS 4333 (Part 1)	0.01 g/100g to 25.0 g/100g
	Red Grains	IS 4333 (Part 1)	0.01 g/100g to 15.0 g/100g	
	Kernel with husk	IS 4333 (Part 1)	0.01 g/100g to 15.0 g/100g	

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Page 4 of 5

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		Other Food Grains	IS 4333 (Part 1)	0.01 g/100g to 25.0 g/100g
		Weevilled grains	IS 4333 (Part 1)	0.01 g/100g to 25.0 g/100g
		Shriveled or Immature	IS 4333 (Part 1)	0.01 to 15.0 g/100g
		Varietal admixture	IS 4333 (Part 1)	0.01 to 15.0 g/100g
		Red grains	IS 4333 (Part 1)	0.01 to 15.0 g/100g
7.	Edible Oils & Fats			
a.	Crude / Refined/ Solvent): Soybean Oil/ Groundnut Oil/Rapeseed Oil/Castor Seed Oil/ Rice Bran Oil, Cotton Seed Oil, Sesame Oil, Linseed Oil, Sal Fat, NB Sal Seed Fat, Soya Lecithin Crude Palm Oil, Crude Palm Kernel Oil, Refined, bleached, deodorized Palm Oil, Corn Maize Oil)	Moisture and Volatile Matter	AOCS Ca 2c -25 / IS 5055/IS 548 (Part 1)	0.01 g/100g to 5.0 g/100g
		Free Fatty Acids	AOCS Ca 5a-40/ IS 548 (Part 1)	0.01 g/100g to 90.0 g/100g
		Iodine Value	IS 548 (Part 1)	1 to 165.0
		Acid Value (mg NaOH per g/mg KOH per g)	AOCS Ja 6-55/ AOCS Cd 3d-63	0.1 to 100
		Peroxide Value (Milli equivalents peroxide/1000 kg)	IS 5055 Annex-H, AOCS Cd 8b-90/IS 548 (Part 1)	0.01 to 70.0
		Insoluble Impurity	AOCS Ca 3a-46	0.01 g/100g to 5.0 g/100g
		Unsaponifiable Matter	AOCS Ca 6b-53 and AOCS Ca 6a-40/ IS 548 (Part 1)	0.01 g/100g to 50.0 g/100g
		Specific Gravity/ Density	IS 548 (Part 1)/ AOCS Cc-10c-95	0.850 to 1.000
		Saponification Value	AOCS Cd 3-25/ IS 548 (Part 1)	150.0 to 250.0
		Acetone Insoluble Matter	AOCS Ja 4-46	0.1 g/100g to 70.0 g/100g
	Hexane Insoluble Matter	AOCS Ja 3-87	0.01 g/100 to 25.0 g/100g	
8.	Oil Seeds & by-Products			
a.	Niger Seeds, Sunflower Seeds,	Moisture content	IS 3579	5.0 to 16.0 g/100g
		Moisture and volatile	ISO 665	5.0 g/100g to

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Page 5 of 5

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	Mustard Seeds, Rapeseed, Castor Seed, Sesame Seeds, Groundnuts, Soya Bean Seeds, Niger Seeds, Sunflower Seeds, Mustard Seeds, Rape Seeds, Sesame Seeds, Groundnuts, Cottonseed, Caster Seed	matter content		16.0 g/100g
		Crude Protein content	ISO 5983-1	2.0 g/100g to 42.0g/100 g
		Oil content	IS 3579	10.0 g/100g to 22.0 g/100g
		Oil content	IS 3579	30.0 g/100g to 60.0 g/100g
b.	Soya Bean Seeds, Niger Seeds, Sunflower Seeds, Mustard Seeds, Rape Seeds, Sesame Seeds, Groundnuts, Cotton Seed, Castor Seed	Acid Value in extracted oil	IS 3579	0.5 to 35.0
		Damaged & Weevilled/ Slightly damaged	IS 3579	0.5 g/100g to 9 0.0 g/100g
		Shriveled and Immature	IS 3579	0.01 g/100g to 15.0 g/100g
		Split Kernels	IS 3579	0.01 g/100g to 15.0 g/100g
		Broken Kernels	IS 3579	0.01 g/100g to 15.0 g/100g