



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name ACCURATE LABORATORY RAJKOT, 27/A, UDHYOGNAGAR, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-7988 Page No. : 1 / 7

Validity 10/10/2018 to 09/10/2020 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products (Atta, Suji, Maize Flour)	Gluten (On dry weight basis)	IS 1155: 1968, RA : 2015	2.0 g/100 g to 20.00 g/100 g
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Aflatoxin (B1, B2, G1, G2)	SOP No. ALR/SOP/23 based on AOAC 20th Edition 2005.08: 2018	0.30 µg/kg to 100.0 µg/kg
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Alcoholic Acidity expressed as sulphuric acid (H2SO4)	IS 1155: 1968, RA : 2015	0.05 g/100 g to 0.5 g/100 g
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Ash insoluble in dilute HCl (on dry weight basis)	IS 1155: 1968, RA : 2015	0.05 g/100 g to 1.0 g/100 g
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Gluten (On dry weight basis)	IS 1009: 1979, RA: 2015	2.0 g/100 g to 20.0 g/100 g
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Insect Infestation (Live & Dead)	FSSAI Manual on Cereal & Cereal products: 2016	Qualitative(Present / Absent)
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Moisture	IS 1155: 1968, RA : 2015	1.0 g/100 g to 20 g/100 g



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8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals & Cereal Products(Atta, Maida, Suji, Besan, Maize Flour)	Total Ash (on dry wt. basis)	IS 1155: 1968, RA : 2015	0.5 g/100 g to 5.0 g/100 g
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Acid value	IS 548 (Part-I): 1964, RA : 2015	0.02 to 10.0
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Free fatty acid (as Oleic Acid)	IS 548 (Part-I): 1964, RA : 2015	0.05 g/100 g to 1.0 g/100 g
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Iodine value	IS 548 (Part-II): 1964, RA : 2015	5.0 to 200.0
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Moisture & Volatile matter	IS 548 (Part-I): 1964, RA: 2015	0.01 g/100 g to 1.0 g/100 g
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Peroxide value	IS 548 (Part-I): 1964, RA : 2015	0.5 mEq/kg to 20.0 mEq/kg
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Refractive index at 40 Deg C	IS 548 (Part-I): 1964, RA : 2015	1.4500 to 1.4900
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Saponification value	IS 548 (Part-I): 1964, RA : 2015	100 to 300
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils & Fats	Unsaponifiable matter	IS 548 (Part-I): 1964, RA : 2015	0.1 % to 5.0 %



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17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Damaged / Broken Kernels	IS 4333 (Part-I): 1996, RA: 2012	0.1 g/100 g to 20.0 g/100 g
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Foreign Matter / Extraneous Matter	IS 4333 (Part-I): 1996, RA: 2012	0.1 g/100 g to 20.0 g/100 g
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Green Grains in (Tur Dal & Chana Dal, Moong Mogar Dal)	IS 4333 (Part-I) : 1996, RA: 2012	0.1 g/100 g to 20.0 g/100 g
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Material Retained on Sieve (4.00 mm ; 3.35 mm ; 1.70 mm ; 1.0 mm ; 2.5 mm)	IS 4333 (Part-I): 1996, RA: 2012	0.25 g/100 g to 3.0 g/100 g
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Material Retained on Sieve (4.00 mm ; 6.00 mm)	IS 4333 (Part-I): 1996, RA: 2012	80.0 g/100 g to 100.0 g/100 g
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Moisture	IS 4333 (Part-II): 2002, RA: 2012	1.0 g/100 g to 25.0 g/100 g



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23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Other Edible Grains	IS 4333 (Part-I): 1996, RA: 2012	0.1 g/100 g to 20.0 g/100 g
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Weevilled Kernels	IS 4333 (Part-I): 1996, RA: 2012	0.1 g/100 g to 20.0 g/100 g
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Whole and Split such as Wheat, Maize, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana)	Aflatoxin (B1, B2, G1, G2)	SOP No. ALR/SOP/22 based on AOAC 20th Edition 2005.08: 2018	0.30 µg/kg to 100.0 µg/kg
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nutritional Labelling(Food Items)	Energy	SOP No. ALR/SOP/19 Issue No. 01: 2018	1.0 kcal/100g to 900 kcal/100g
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nutritional Labelling(Food Items)	Protein	IS 7219: 1973, RA : 2015	5.0 g/100 g to 20.0 g/100 g
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nutritional Labelling(Food Items)	Sugar	IS 1163: 1992, RA : 2014	0.1 g/100 g to 99.0 g/100 g
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nutritional Labelling(Food Items)	Total Carbohydrates	SOP No. ALR/SOP/20 Issue No. 01: 2018	0.1 g/100 g to 99 g/100 g
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nutritional Labelling(Food Items)	Total fat	IS 15271: 2003, RA : 2013	0.5 g/100 g to 90.0 g/100 g



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31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Aflatoxin (B1, B2, G1, G2)	SOP No. ALR/SOP/02 : 2018 based on AOAC 20th Edition 2005.08: 2018	0.30 µg/kg to 100.0 µg/kg
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Broken Kernels	IS 3579: 1966, RA : 2015	0.1 g/100 g to 10.0 g/100 g
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Count	FOSFA International Method, April : 2010	25.0 to 150.0
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Damaged Kernels	IS 3579: 1966, RA : 2015	0.1 g/100 g to 10.0 g/100 g
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Discolour Kernels	IS 3579: 1966, RA : 2015	0.1 g/100 g to 10.0 g/100 g
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Foreign Matter	IS 3579: 1966, RA : 2015	0.1 g/100 g to 10.0 g/100 g
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Free Fatty Acid (as Oleic Acid)	IS 548 (Part-1): 1964, RA : 2015	0.1 to 5.0
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Moisture	IS 3579: 1966, RA : 2015	0.2 g/100 g to 10.0 g/100 g
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Oil Content	IS 3579: 1966, RA : 2015	0.1 g/100 g to 60.0 g/100 g



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40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Peroxide Vaue of extracted Fat	IS 548 (Part-1): 1964, RA : 2015	0.5 mEq/kg to 50.0 mEq/kg
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Shrivelled Kernels	IS 3579: 1966, RA : 2015	0.1 g/100 g to 25.0 g/100 g
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Split Kernels	IS 3579: 1966, RA : 2015	0.1 g/100 g to 40.0 g/100 g
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds & Peanuts	Without Red Skin	IS 3579: 1966, RA : 2015	0.1 g/100 g to 10.0 g/100 g
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Peanut Butter	Acid Value of Extracted Fat	IS 4684:1975, RA : 2015	0.1 to 5.0
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Peanut Butter	Aflatoxin (B1, B2, G1, G2)	SOP No. ALR/SOP/01 AOAC 20th Edition 2005.08: 2018	0.30 µg/kg to 100.0 µg/kg
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Peanut Butter	Fat	IS 9037: 1979, RA : 2015	25.0 g/100 g to 60.0 g/100 g
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Peanut Butter	Moisture	IS 9037: 1979, RA : 2015	0.2 g/100 g to 10.0 g/100 g
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Peanut Butter	Protein	IS 4684:1975, RA : 2015	20.0 g/100 g to 60.0 g/100 g
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Peanut Butter	Total Ash	IS 4684:1975, RA : 2015	1.0 g/100 g to 7.5 g/100 g



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50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Acid insoluble ash	IS 1797: 1985, RA : 2017	0.1 g/100 g to 10.0 g/100 g
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Aflatoxin (B1, B2, G1, G2)	SOP No. ALR/SOP/21 based on AOAC 20th Edition 2005.08: 2018	0.30 µg/kg to 100.0 µg/kg
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Crude fibre	IS 1797: 1985, RA : 2017	1.0 g/100 g to 50.0 g/100 g
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Extraneous (Organic & Inorganic) / Foreign Matter	ASTA cleanliness specifications for spices, seeds and herbs: 1999	Qualitative(Present / Absent)
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Insect damaged Matter	ASTA cleanliness specifications for spices, seeds and herbs: 1999	Qualitative(Present / Absent)
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Moisture	IS 1797: 1985, RA : 2017	0.1 g/100 g to 20.0 g/100 g
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Rodent Contamination	ASTA cleanliness specifications for spices, seeds and herbs: 1999	Qualitative(Present / Absent)
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Total ash	IS 1797: 1985, RA : 2017	0.1 g/100 g to 25.0 g/100 g
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments & Related Products	Whole Insects, dead	ASTA cleanliness specifications for spices, seeds and herbs: 1999	Qualitative(Present / Absent)