# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-7988 **Page No** 1 of 6

**Validity** 11/10/2021 to 10/10/2023 **Last Amended on** 23/12/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Alcoholic Acidity expressed as sulphuric acid (H2SO4) | IS 1155 |
| 2 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Ash insoluble in dilute HCl (on dry weight basis) | IS 1155 |
| 3 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Gluten (On dry weight basis) | IS 1009 |
| 4 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Insect Infestation (Live & Dead) | FSSAI Manual on Cereal & Cereal products |
| 5 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Moisture | IS 1155 |
| 6 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Total Ash (on dry wt. basis) | IS 1155 |
| 7 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Cereals & Cereal Products (Atta, Suji, Maize Flour) | Gluten (On dry weight basis) | IS 1155 |
| 8 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Acid value | IS 548 (Part-I) |
| 9 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Free fatty acid (as Oleic Acid) | IS 548 (Part-I) |
| 10 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Iodine value | IS 548 (Part-II) |
| 11 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Moisture & Volatile matter | IS 548 (Part-I) |
| 12 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Peroxide value | IS 548 (Part-I) |
| 13 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Refractive index at 40 Deg C | IS 548 (Part-I) |

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| 14 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Saponification value | IS 548 (Part-I) |
| 15 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Edible Oils & Fats (Groundnut oil, Cottonseed oil) | Unsaponifiable matter | IS 548 (Part-I) |
| 16 | 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) |
| 17 | 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) |
| 18 | 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) |
| 19 | 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) |
| 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 ; 6.00 mm) | IS 4333 (Part-I) |
| 21 | 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) |
| 22 | 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) |
| 23 | 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) |
| 24 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Acid insoluble ash | IS 1797 |
| 25 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Crude fibre | IS 1797 |
| 26 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Extraneous (Organic & Inorganic) / Foreign Matter | ASTA cleanliness specifications for spices, seeds and herbs |
| 27 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Insect damaged Matter | ASTA cleanliness specifications for spices, seeds and herbs |

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| 28 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Lead Chromate Test | FSSAI Manual on Spices and Condiments |
| 29 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Moisture | IS 1797 |
| 30 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Non Volatile Ether Extract | IS 1797 |
| 31 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Rodent Contamination | ASTA cleanliness specifications for spices, seeds and herbs |
| 32 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Total ash | IS 1797 |
| 33 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Volatile Oil | IS 1797 |
| 34 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Herbs, Spices and Condiments (Cumin seed, Chili powder, Coriander seed) | Whole Insects, dead | ASTA cleanliness specifications for spices, seeds and herbs |
| 35 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Broken Kernels | IS 3579 |
| 36 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Count | FOSFA International Method, April |
| 37 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Damaged Kernels | IS 3579 |
| 38 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Discolour Kernels | IS 3579 |
| 39 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Foreign Matter | IS 3579 |
| 40 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Free Fatty Acid (as Oleic Acid) | IS 548 (Part-1) |
| 41 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Moisture | IS 3579 |

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| 42 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Oil Content | IS 3579 |
| 43 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Peroxide Vaue of extracted Fat | IS 548 (Part-1) |
| 44 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Shrivelled Kernels | IS 3579 |
| 45 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Split Kernels | IS 3579 |
| 46 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Oil Seeds & Peanuts | Without Red Skin | IS 3579 |
| 47 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Peanut Butter | Acid Value of Extracted Fat | IS 4684 |
| 48 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Peanut Butter | Fat | IS 9037 |
| 49 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Peanut Butter | Moisture | IS 9037 |
| 50 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Peanut Butter | Protein | IS 4684 |
| 51 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Peanut Butter | Total Ash | IS 4684 |
| 52 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Reducing Sugar | IS 15279 |
| 53 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Acid insoluble ash in dil. HCl | IS 12923 |
| 54 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Extraneous Matter | FSSAI Manual on Beverages, Sugar & Confectionery Product |
| 55 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Sucrose | IS 15279 |

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| 56 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Sulphated Ash | IS 15279 |
| 57 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Total Ash | FSSAI Manual on Beverages, Sugar & Confectionery Product |
| 58 | CHEMICAL- FOOD & AGRICULTURAL PRODUCTS | Plantation White Sugar, Refined sugar, Bura Sugar / Cube Sugar, Jaggery or Gur | Total Reducing Sugar | IS 15279 |
| 59 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Aflatoxin B1 | SOP No. ALR /D/TM/7.2/22 based on AOAC 20th Edition 2005.08 |
| 60 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Aflatoxin B2 | SOP No. ALR /D/TM/7.2/22 based on AOAC 20th Edition 2005.08: |
| 61 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Aflatoxin G1 | SOP No. ALR /D/TM/7.2/22 based on AOAC 20th Edition 2005.08: |
| 62 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Aflatoxin G2 | SOP No. ALR /D/TM/7.2/22 based on AOAC 20th Edition 2005.08 |
| 63 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Cereals & Cereal Products (Atta, Maida, Suji, Besan, Maize Flour) | Total Aflatoxin | SOP No. ALR /D/TM/7.2/22 based on AOAC 20th Edition 2005.08 |
| 64 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana) | Aflatoxin B2 | SOP No. ALR /D/TM/7.2/23 based on AOAC 20th Edition 2005.08 |
| 65 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana) | Aflatoxin G1 | SOP No. ALR /D/TM/7.2/23 based on AOAC 20th Edition 2005.08 |
| 66 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Food Grains (Whole and Split such as Maize, Wheat, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana) | Aflatoxin G2 | SOP No. ALR /D/TM/7.2/23 based on AOAC 20th Edition 2005.08 |
| 67 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Food Grains (Whole and Split such as Wheat, Maize, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana) | Aflatoxin B1 | SOP No. ALR /D/TM/7.2/23 based on AOAC 20th Edition 2005.08 |
| 68 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Food Grains (Whole and Split such as Wheat, Maize, Rice, Jowar, Bajra, Masur, Urd, Moong, Chana) | Total Aflatoxin | SOP No. ALR /D/TM/7.2/23 based on AOAC 20th Edition 2005.08 |
| 69 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Oil Seeds & Peanuts | Aflatoxin B1 | SOP No. ALR /D/TM/7.2/02 : based on AOAC 20th Edition 2005.08 |

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| 70 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Oil Seeds & Peanuts | Aflatoxin B2 | SOP No. ALR /D/TM/7.2/02 : based on AOAC 20th Edition 2005.08 |
| 71 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Oil Seeds & Peanuts | Aflatoxin G1 | SOP No. ALR /D/TM/7.2/02 : based on AOAC 20th Edition 2005.08 |
| 72 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Oil Seeds & Peanuts | Aflatoxin G2 | SOP No. ALR /D/TM/7.2/02 : based on AOAC 20th Edition 2005.08 |
| 73 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Oil Seeds & Peanuts | Total Aflatoxin | SOP No. ALR /D/TM/7.2/02 : based on AOAC 20th Edition 2005.08 |
| 74 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Peanut Butter | Aflatoxin B1 | SOP No. ALR /D/TM/7.2/01 AOAC 20th Edition 2005.08 |
| 75 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Peanut Butter | Aflatoxin B2 | SOP No. ALR /D/TM/7.2/01 AOAC 20th Edition 2005.08 |
| 76 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Peanut Butter | Aflatoxin G1 | SOP No. ALR /D/TM/7.2/01 AOAC 20th Edition 2005.08 |
| 77 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Peanut Butter | Aflatoxin G2 | SOP No. ALR /D/TM/7.2/01 AOAC 20th Edition 2005.08 |
| 78 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Peanut Butter | Total Aflatoxin | SOP No. ALR /D/TM/7.2/01 AOAC 20th Edition 2005.08: |
| 79 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Spices, Condiments & Related Products | Aflatoxin B1 | SOP No. ALR /D/TM/7.2/21 based on AOAC 20th Edition 2005.08 |
| 80 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Spices, Condiments & Related Products | Aflatoxin B2 | SOP No. ALR /D/TM/7.2/21 based on AOAC 20th Edition 2005.08 |
| 81 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Spices, Condiments & Related Products | Aflatoxin G1 | SOP No. ALR /D/TM/7.2/21 based on AOAC 20th Edition 2005.08 |
| 82 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Spices, Condiments & Related Products | Aflatoxin G2 | SOP No. ALR /D/TM/7.2/21 based on AOAC 20th Edition 2005.08 |
| 83 | CHEMICAL- RESIDUES IN FOOD PRODUCTS | Spices, Condiments & Related Products | Total Aflatoxin | SOP No. ALR /D/TM/7.2/21 based on AOAC 20th Edition 2005.08 |