

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Cotecna Inspection India Private Limited

Hari Darshan, Plot No.- 122, Sector 1/A, Gandhidham,
Kutch-370201, Gujarat, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0042

Valid from: 17 February 2024

Valid until: 16 February 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

| Chemical Testing | | | |
|------------------|-----------------------------|---------------------------------|-----------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuel | | |
| 1. | Coal | Moisture | IS 1350 (Part 1): 1984 |
| 2. | Coal | Total Moisture | IS 1350 (Part 1): 1984 |
| 3. | Coal | Moisture in Equilibrated Sample | IS 1350 (Part 1): 1984 |
| 4. | Coal | Ash | IS 1350 (Part 1): 1984 |
| 5. | Coal | Volatile Matter | IS 1350 (Part 1): 1984 |
| 6. | Coal | Gross Calorific Value (GCV) | IS 1350 (Part 2): 2022 |
| 7. | Coal | Sulphur as S | IS 1350 (Part 3): 2022 |
| 8. | Coal | Total Moisture | ASTM 2961/D2961M-19 |
| 9. | Coal | Total Moisture | ASTM D3302/ D3302M:22a |
| 10. | Coal | IM, Moisture in analysis Sample | ASTM D3173/ ASTM D3173M-17a |
| 11. | Coal | Volatile Matter | ASTM D3175-20 |
| 12. | Coal | Ash | ASTM D3174-12 (2018) e1 |
| 13. | Coal | Fixed Carbon | ASTM D3172-13 (2021) e1 |
| 14. | Coal | Gross Calorific Value (GCV) | ASTM D5865/D5865M-19 |



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| Chemical Testing | | | |
|------------------|--------------------------------|---|------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Animal Food & Feeds | | |
| 1. | Groundnut DOC, Groundnut Meal | Crude Ash | ISO 5984: 2022 |
| 2. | Groundnut DOC, Groundnut Meal | Crude Fibre | ISO 6865: 2000 |
| 3. | Groundnut DOC, Groundnut Meal | Crude Protein | ISO 5983-1: 2005 |
| 4. | Groundnut DOC, Groundnut meal | Crude Protein | ISO 5983-2: 2009 |
| 5. | Groundnut DOC, Groundnut Meal | Moisture | ISO 6496: 1999 |
| 6. | Groundnut DOC, Groundnut Meal | Oil | ISO 6492: 1999 |
| 7. | Groundnut DOC, Groundnut Meal | Ash insoluble in hydrochloric acid (Sand and/or Silica) | ISO 5985: 2002 |
| 8. | Guar Meal, Guar Korma | Crude protein | ISO 5983-2: 2009 |
| 9. | Guar Meal, Guar Korma | Crude Ash | ISO 5984: 2022 |
| 10. | Guar Meal, Guar Korma | Crude Fibre | ISO 6865: 2000 |
| 11. | Guar Meal, Guar Korma | Crude Protein | ISO 5983-1: 2005 |
| 12. | Guar Meal, Guar Korma | Moisture | ISO 6496: 1999 |
| 13. | Guar Meal, Guar Korma | Oil | ISO 6492: 1999 |



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|------------------|---|---|------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Animal Food & Feeds | | |
| 14. | Guar Meal, Guar Korma | Ash insoluble in hydrochloric acid (Sand and/or Silica) | ISO 5985: 2002 |
| 15. | Soya bean DOC, Soyabean Hipro | Ash insoluble in hydrochloric acid (Sand and/or Silica) | ISO 5985: 2002 |
| 16. | Soya bean DOC, Soyabean Hipro | Urease activity | ISO 5506: 2018 |
| 17. | Soyabean DOC, Soyabean Hipro | Crude Ash | ISO 5984: 2022 |
| 18. | Soyabean DOC, Soyabean Hipro | Crude Fibre | ISO 6865: 2000 |
| 19. | Soyabean DOC, Soyabean Hipro | Crude Protein | ISO 5983-1: 2005 |
| 20. | Soyabean DOC, Soyabean Hipro | Moisture | ISO 6496: 1999 |
| 21. | Soyabean DOC, Soyabean Hipro | Oil | ISO 6492: 1999 |
| 22. | Soyabean DOC, Soyabean Hipro, Soyabean meal, Castor seed meal, Soya flour, Cottonseed DOC | Crude protein | ISO 5983-2: 2009 |
| 23. | Soyabean Meal, Soyabean DOC | Animal Waste and mildew effects | INSO 800 (6-1-1): 2015 |
| 24. | Soyabean Meal, Soyabean DOC | Appearance | INSO 800 (6-1-3): 2015 |



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|------------------|--------------------------------|---|------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Animal Food & Feeds | | |
| 25. | Soyabean Meal, Soyabean DOC | Colour | INSO 800 (6-1-2): 2015 |
| 26. | Soyabean Meal, Soyabean DOC | Foreign Material and impurity additives (such as Guar meal) | INSO 800 (5.1): 2015 |
| 27. | Soyabean Meal, Soyabean DOC | Smell | INSO 800 (6-1-4): 2015 |
| 28. | Soyabean Meal, Soyabean DOC | Soluble Protein in KOH Solution | ISO 14244: 2014 |
| 29. | Soyabean Meal, Soyabean DOC | Urease activity | EEC 250: 1971 |
| 30. | Rapeseed DOC, Rapeseed Meal | Crude Ash | ISO 5984: 2022 |
| 31. | Rapeseed DOC, Rapeseed Meal | Crude Fibre | ISO 6865: 2000 |
| 32. | Rapeseed DOC, Rapeseed Meal | Crude Protein | ISO 5983-1: 2005 |
| 33. | Rapeseed DOC, Rapeseed Meal | Crude protein | ISO 5983-2: 2009 |
| 34. | Rapeseed DOC, Rapeseed Meal | Moisture | ISO 6496: 1999 |
| 35. | Rapeseed DOC, Rapeseed Meal | Oil | ISO 6492: 1999 |
| 36. | Rapeseed DOC, Rapeseed Meal | Ash insoluble in hydrochloric acid (Sand and/or Silica) | ISO 5985: 2002 |



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| Chemical Testing | | | |
|------------------|--|--------------------------|------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 1. | Maize | Broken (3/4 of size) | IS 4333 (Part 1): 2018 |
| 2. | Maize | Damaged | IS 4333 (Part 1): 2018 |
| 3. | Maize | Discoloured | IS 4333 (Part 1): 2018 |
| 4. | Maize | Foreign Matter | IS 4333 (Part 1): 2018 |
| 5. | Maize | Immature | IS 4333 (Part 1): 2018 |
| 6. | Maize | Insect Damaged | IS 4333 (Part 1): 2018 |
| 7. | Maize | Moisture | ISO 6540: 2021 |
| 8. | Maize | Other Food Grains | IS 4333 (Part 1): 2018 |
| 9. | Maize | Weevilled Grains | IS 4333 (Part 1): 2018 |
| 10. | Red gram (Tur whole), Red gram split (Tur dal), Green gram (Moong whole), Green gram split (Moong dal), Bengal gram (Chana), chick peas, Lentil (Masoor), Black Gram (Urd), Pea (Mattar) | Moisture | ISO 24557: 2009 |



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| Chemical Testing | | | |
|------------------|---|-------------------------------|---|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 11. | Wheat flour, Maida | Dry Gluten | IS 15470: 2004 |
| 12. | Wheat flour, Maida | Moisture content | IS 4333 (Part 2): 2017 |
| 13. | Wheat flour, Maida | Wet Gluten | IS 8162: 1988 |
| 14. | Wheat flour, Maida, Wheat | Dry Gluten | ISO 21415-4: 2006 |
| 15. | Wheat flour, Maida, Wheat | Gluten Index | ICC 155: 1994; ISO 21415-2: 2015 |
| 16. | Wheat flour, Maida, Wheat | Wet Gluten | ICC 137/1: 1982; ICC 155: 1994 |
| 17. | Wheat flour, Maida, Wheat | Wet Gluten | ISO 21415-1: 2006 |
| 18. | Wheat flour, Maida, Wheat | Wet Gluten | ISO 21415-2: 2015 |
| 19. | Wheat Flour, Maida, Wheat Atta, Wheat, Rice, Maize, Corn, Sorghum, Barley | Crude protein | ISO 20483: 2013 |
| 20. | Wheat flour, Maida, Wheat, Durum Wheat | Gluten Index | ICC 158: 1995 |
| 21. | Wheat flour, Maida, Wheat, Semolina | Falling Number | AACC 56-81B: 1992; ISO 3093: 2009; ICC 107/1: 1995 |
| 22. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Average Length | ISO 7301: 2021 |
| 23. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Broken (3/4 of size) | IS 4333 (Part 1): 2018 |
| 24. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Broken - [Big, small, medium] | IS 4333 (Part 1): 2018; ISO 7301: 2021 |



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|------------------|--|--|---|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 25. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Chalky grains | ISO 7301: 2021; IS 4333 (Part 1): 2018 |
| 26. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Damaged | IS 4333 (Part 1): 2018; ISO 7301: 2021 |
| 27. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Discoloured | IS 4333 (Part 1): 2018 |
| 28. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Extraneous matter | ISO 7301: 2021 |
| 29. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Foreign matter | IS 4333 (Part 1): 2018 |
| 30. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Heat Damaged grains, yellow kernels/grains | ISO 7301: 2021 |
| 31. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Immature | IS 4333 (Part 1): 2018; ISO 7301: 2021 |
| 32. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Insect Damaged | IS 4333 (Part 1): 2018 |
| 33. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Kernels with husk | IS 4333 (Part 1): 2018 |
| 34. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Moisture Content | IS 4333 (Part 2): 2017 |
| 35. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Other food grains | IS 4333 (Part 1): 2018 |
| 36. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Red grains | ISO 7301: 2021; IS 4333 (Part 1): 2018 |



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|------------------|---|-----------------------------------|--|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 37. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Red Streaked kernel | ISO 7301: 2021 |
| 38. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Shrivelled or immature | IS 4333 (Part 1): 2018; ISO 7301: 2021 |
| 39. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Slightly damaged or touched | IS 4333 (Part 1): 2018 |
| 40. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Varietal admixture | IS 4333 (Part 1): 2018 |
| 41. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice | Weevilled grains | IS 4333 (Part 1): 2018 |
| 42. | White raw rice, Parboiled rice, non-basmati rice, Basmati rice, Wheat, Bajra, Barley, Sorghum, Barley | Moisture | ISO 712: 2009 |
| 43. | Wheat | Broken grain | ISO 7970:2021 |
| 44. | Wheat | Shrivelled and/or immature grains | ISO 7970:2021 |
| 45. | Wheat | Black point grain | ISO 7970:2021 |
| 46. | Wheat | Grain attacked by pests | ISO 7970:2021 |
| 47. | Wheat | Heat-damaged grain | ISO 7970:2021 |
| 48. | Wheat | Mouldy grain | ISO 7970:2021 |



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|------------------|---|--|--|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 49. | Wheat | Other cereals/ Other Edible Grain | ISO 7970:2021 |
| 50. | Wheat | Extraneous matter (Organic and/or 0.27 % @ 24.04 % | ISO 7970:2021 |
| 51. | Wheat | Bunted grains | ISO 7970:2021 |
| 52. | Wheat | Harmful and/or toxic seeds | ISO 7970:2021 |
| 53. | Wheat | sprouted grain | ISO 7970:2021 |
| 54. | Wheat | Total Damage | ISO 7970:2021 |
| 55. | CPO (Crude palm oil), RBD Palm Oil, CDSBO (crude degummed soyabean oil), CSFO (crude sunflower oil), RSFO (Refine Sunflower Oil) Ground nut oil, Rape seed/Mustard oil, Castor seed oil | Acid Value | ISO 660: 2020; IS 548 (Part 1) Sec-2: 2021; AOCS Cd 3d-63: 2024 |
| 56. | | Flash Point - Pensky Martens closed cup (PMCC) | ISO 15267: 1998 |
| 57. | | Free Fatty Acids | ISO 660: 2020; IS 548 (Part 1) Sec-2: 2021; AOCS Ca 5a-40: 2017 |
| 58. | | Insoluble Impurities | IS 548 (Part 1) Sec-2: 2021; AOCS Ca 3a-46: 2024; ISO 663: 2017 |
| 59. | | Iodine Value | IS 548 (Part 1) Sec-2: 2021; ISO 3961: 2018; AOCS Cd 1d-92: 2017 |
| 60. | | Mass per Unit Volume/ Litre Weight /Density | ISO 6883: 2017; AOCS Cc 10c-95: 2017 |



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|---|---|----------------------------|--|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| Food & Agricultural Products | | | |
| 61. | CPO (Crude palm oil) | Melting Point | IS 548 (Part 1) Sec-2: 2021 |
| 62. | CPO (Crude palm oil), RBD Palm Oil, CDSBO (crude degummed soyabean oil), | Moisture & Volatile Matter | AOCS Ca 2c-25: 2017; ISO 662: 2016; IS 548 (Part 1) Sec-2: 2021 |
| 63. | CSFO (crude sunflower oil), RSFO (Refine Sunflower Oil) | Peroxide Value | ISO 3960: 2017; IS 548 (Part 1) Sec-2: 2021; AOCS Cd 8b-90: 2024 |
| 64. | Ground nut oil, Rape seed/Mustard oil, Castor seed oil | Phosphorus | AOCS Ca 12-55: 2017 |
| 65. | | Saponification Value | AOCS Cd 3-25: 2024; IS 548 (Part 1) Sec-2: 2021 |
| 66. | CPO (Crude palm oil) | Slip Melting Point | AOCS Cc 3-25: 2024 |
| 67. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Acid Value (extracted oil) | IS 3579: 1966 |
| 68. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Acid Insoluble Ash | IS 1797: 2017 |
| 69. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Damaged | IS 2447: 2023 |
| 70. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Discoloured | IS 2447: 2023 |
| 71. | Cumin seeds, Coriander seeds, | Extraneous matter | IS 1797: 2017 |



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|------------------|---|----------------------------|-----------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| | Fenugreek seeds, Fennel Seeds | | |
| 72. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Moisture Content | IS 1797: 2017 |
| 73. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Purity (By difference) | QMS-PR-AGRI-LAB-TEC-007-1.0: 2018 |
| 74. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Shrivelled or immature | IS 2447: 2023 |
| 75. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Total Ash | IS 1797: 2017 |
| 76. | Cumin seeds, Coriander seeds, Fenugreek seeds, Fennel Seeds | Volatile Oil | IS 1797: 2017 |
| 77. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Acid Value (extracted oil) | ISO 660: 2020 |
| 78. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Broken kernels | IS 3579: 1966 |



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|------------------|---|--------------------------------------|-----------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 79. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Damaged and Weevilled | IS 3579: 1966 |
| 80. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Free Fatty Acid (FFA) as oleic acid | ISO 660: 2020; AOCS Ac 5-41: 2024 |
| 81. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Impurities | IS 3579: 1966; ISO 658: 2002 |
| 82. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Moisture | IS 3579: 1966 |
| 83. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Moisture and volatile matter content | ISO 665: 2020 |
| 84. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Oil Content | IS 3579: 1966; ISO 659: 2009 |
| 85. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Shrivelled and Immature | IS 3579: 1966 |



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| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Food & Agricultural Products | | |
| 86. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Slightly damaged | IS 3579: 1966 |
| 87. | Natural sesame seeds, Black sesame seeds, Hulled sesame seeds, Castor Seeds | Split kernels | IS 3579: 1966 |
| 88. | White refined sugar, Raw (Brown) Sugar | Moisture | IS 15279: 2003 |
| 89. | White refined sugar, Raw (Brown) Sugar | Sulphated Ash | IS 15279: 2003 |



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|------------------|-----------------------------|---|---------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Ores & Minerals | | |
| 1. | Bauxite | Alumina (Al ₂ O ₃) | IS 2000 (Part 3): 1985 |
| 2. | Bauxite | Ferric oxide (Fe ₂ O ₃) | IS 2000 (part 4): 1985 |
| 3. | Bauxite | Loss on ignition | IS 2000 (Part 1): 1985 |
| 4. | Bauxite | Silica (SiO ₂) | IS 2000 (Part 2): 1985 |
| 5. | Bauxite | Titania (TiO ₂) | IS 2000 (Part 5): 1985 |
| 6. | Rock phosphate | Moisture | FCO 1985 (Amended October 2024) |
| 7. | Rock phosphate | Phosphorus Pentoxide (P ₂ O ₅) | FCO 1985 (Amended October 2024) |

Note: Following scope of accreditation is extended w.e.f. 16 January 2025:

Chemical Testing-

- Animal Food & Feeds (Page no. 2-4);
- Food & Agricultural Products (Page no. 5-13);
- Ores & Minerals (Page no. 14)

