

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

QA Testing Laboratories Private Limited

Plot No-346/3, Ward No.12, Sharda Vihar,
Near Sharda Vihar Railway Crossing, Korba- 495677, Chhattisgarh, 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/2024/0058

(Date of First Accreditation: 08 June 2024 - 07 June 2026)

Valid from: 08 June 2026

Valid until: 07 June 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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QAI/CIA/TL/2024/0058

Accreditation Standard: ISO/IEC 17025:2017

| Chemical Testing | | | |
|------------------|-----------------------------|--|----------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 1. | Coal | Total moisture | IS 1350 (P-1) :2025 |
| 2. | Coal | Moisture content on as received basis (ARB) | IS 1350 (P-1) :2025 |
| 3. | Coal | Moisture content on air dried basis (ADB) | IS 1350 (P-1) :2025 |
| 4. | Coal | Moisture content on equilibrated basis (40 degree C & 60 % RH) | IS 1350 (P-1) :2025 |
| 5. | Coal | Ash content on (air dried basis) | IS 1350 (P-1) :2025 |
| 6. | Coal | Gross calorific value on (air dried basis) | IS 1350 (P-2): 2022 |
| 7. | Coal | Volatile matter on (air dried basis) | IS 1350 (P-1) :2025 |
| 8. | Coal | Net calorific value on (air dried Basis) | IS 1350 (P-2): 2022 |
| 9. | Coal | Net calorific value on (air received basis) | IS: 1350 (P-2): 2022 |
| 10. | Coal | Total moisture | ASTM D 3202-02a |
| 11. | Coal | Moisture content on as received basis (ARB) | ASTM D 3173-03 |
| 12. | Coal | Moisture content on air dried basis (ADB) | ASTM D 3173-03 |

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|------------------|-----------------------------|---|------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 13. | Coal | Ash content on (air dried basis) | ASTM D 3174-02 |
| 14. | Coal | Gross calorific value on (air dried basis) | ASTM D 5865/D 5865-19 |
| 15. | Coal | Volatile matter on (air dried basis) | ASTM D 3175-07 |
| 16. | Coal | Net calorific value on (air dried basis) | ASTM D 5865M-19-2019 |
| 17. | Coal | Ash content (on equilibrated basis) | IS 1350 (P-1) :2025 |
| 18. | Coal | Ash Content (on equilibrated Basis) | ASTM: D3174:2020 |
| 19. | Coal | Ash content (as received basis) | ASTM D3174:2020 |
| 20. | Coal | Ash content (as received basis) | IS 1350 (P-1) :2025 |
| 21. | Coal | Fixed carbon | ASTM D 3202/D 3302 |
| 22. | Coal | Fixed carbon | IS 1350 (P-1) :2025 |
| 23. | Coal | Gross calorific value on (equilibrated basis) | ASTM D 5865/ D 5865-19 |
| 24. | Coal | Gross calorific value on (equilibrated basis) 40 ^o C & 60% | IS 1350 (P-2): 2022 |
| 25. | Coal | Gross calorific value (as received basis) | ASTM D 5865/D 5865-19 |

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|------------------|-----------------------------|--|-------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 26. | Coal | Gross calorific value (as received basis) | IS 1350 (P-2): 2022 |
| 27. | Coal | Volatile matter on (air dried basis) | ASTM D 3175-07 |
| 28. | Coal | Volatile matter (as received basis) | IS 1350 (P-1) :2025 |
| 29. | Coal | Volatile matter (on equilibrated basis) | ASTM: D 3175 -07 |
| 30. | Coal | Volatile matter (on equilibrated basis) 40° C & 60% RH | IS 1350 (P-1) :2025 |
| 31. | Coal | Ash Content (on Dry Basis) | IS :1350 (P-1): 2025 |
| 32. | Coal | Ash Content (on Dry Basis) | ASTM D3174-12: 2020 |
| 33. | Coal | Fixed Carbon (on Dry Basis) | IS :1350 (P-1): 2025 |
| 34. | Coal | Fixed Carbon (on Dry Basis) | ASTM D3172-13: 2013 |
| 35. | Coal | Gross Calorific Value (on Dry Basis) | IS :1350 (P-2): 2022 |
| 36. | Coal | Gross Calorific Value (on Dry Basis) | ASTM D5865M-19: 2019 |
| 37. | Coal | Phosphorus | IS :1350:(Part-5): 2017 |
| 38. | Coal | Total Sulphur (on Air Dry Basis) | IS: 1350:(Part-3): 2022 |

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|------------------|-----------------------------|--|-------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 39. | Coal | Total Sulphur (on As Received Basis) | IS: 1350:(Part-3): 2022 |
| 40. | Coal | Total Sulphur (on Dry Basis) | IS :1350:(Part-3): 2022 |
| 41. | Coal | Volatile Matter (on Dry Basis) | IS :1350 (P-1): 2025 |
| 42. | Coal | Volatile Matter (on Dry Basis) | ASTM D3175-20: 2020 |
| 43. | Coke | Ash (on Air Dried Basis) | ASTM D3174-12: 2020 |
| 44. | Coke | Ash (on As Received Basis) | ASTM D3174-12: 2020 |
| 45. | Coke | Ash (on Dry Basis) | ASTM D3174-12: 2020 |
| 46. | Coke | Ash Content (on Dry Basis) | IS 1350 (P-1): 2025 |
| 47. | Coke | Fixed Carbon (on Air Dried Basis) | ASTM D3172-13: 2013 |
| 48. | Coke | Fixed Carbon (on As Received Basis) | ASTM D3172-13: 2013 |
| 49. | Coke | Fixed Carbon (on Dry Basis) | ASTM D3172-13: 2013 |
| 50. | Coke | Fixed Carbon (on Dry Basis) | IS 1350 (P-1): 2025 |
| 51. | Coke | Gross Calorific Value (on Air Dried Basis) | ASTM D5865/D5865M: 2019 |

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| Chemical Testing | | | |
|------------------|-----------------------------|--|-------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 52. | Coke | Gross Calorific Value (on As Received Basis) | ASTM D5865/D5865M: 2019 |
| 53. | Coke | Gross Calorific Value (on Dry Basis) | ASTM D5865/D5865M: 2019 |
| 54. | Coke | Gross Calorific Value (on Dry Basis) | IS 1350 (P-2): 2022 |
| 55. | Coke | Moisture Content (on Air Dried Basis) | ASTM D3173M-17a: 2017 |
| 56. | Coke | Moisture Content (on As Received Basis) | ASTM D3173M-17a: 2017 |
| 57. | Coke | Phosphorus | IS 1350 (Part-5): 2017 |
| 58. | Coke | Total Sulphur (on Air Dried Basis) | IS 1350 (Part-3): 2022 |
| 59. | Coke | Total Sulphur (on Air Dry Basis) | IS 1350 (Part-3): 2022 |
| 60. | Coke | Total Sulphur (on As Received Basis) | IS 1350 (Part-3): 2022 |
| 61. | Coke | Volatile Matter (on Air Dried Basis) | ASTM D3175-20: 2020 |
| 62. | Coke | Volatile Matter (on As Received Basis) | ASTM D3175-20: 2020 |
| 63. | Coke | Volatile Matter (on Dry Basis) | ASTM D3175-20: 2020 |
| 64. | Coke | Volatile Matter (on Dry Basis) | IS 1350 (P-1): 2025 |

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|------------------|-----------------------------|--|-------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 65. | Coke | Moisture content on as received basis (ARB) | IS :1350 (P-1): 2025 |
| 66. | Coke | Ash content as (air dried basis) | IS 1350 (P-1) :2025 |
| 67. | Coke | Volatile matter as (air dried basis) | IS 1350 (P-1) :2025 |
| 68. | Coke | Gross calorific value on (air dried basis) | IS 1350 (P-2): 2022 |
| 69. | Coke | Ash content (as received basis) | IS 1350 (P-1) :2025 |
| 70. | Coke | Gross calorific value on (as received basis) | IS 1350 (P-2) :2022 |
| 71. | Coke | Volatile matter (as received basis) | IS 1350 (P-1) :2025 |
| 72. | Biomass | Ash Content | IS 17653: 2021 |
| 73. | Biomass | Gross Calorific Value | IS 17654: 2021 |
| 74. | Biomass | Moisture Content in (Oven Dry Method) | IS 17655 (Part 3): 2025 |
| 75. | Biomass | Total Moisture in (Oven Dry Method) | IS 17655 (Part 1):2025 |
| 76. | Biomass | Volatile Matter Content | IS 17844: 2025 |
| 77. | Briquettes | Ash Content | IS 17653: 2021 |

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|------------------|-----------------------------|---------------------------------------|------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Solid Fuels | | |
| 78. | Briquettes | Gross Calorific Value | IS 17654: 2021 |
| 79. | Briquettes | Moisture Content in (Oven Dry Method) | IS 17655 (Part 3):2025 |
| 80. | Briquettes | Total Moisture in (Oven Dry Method) | IS 17655 (Part 1):2025 |
| 81. | Briquettes | Volatile Matter Content | IS 17844: 2025 |

