



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name M/S QUALITY SERVICES & SOLUTIONS (GOA), 2ND FLOOR, RUKMINI TOWER, F.L. GOMES ROAD, VASCO-DA-GAMA, VASCO, SOUTH GOA, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8073 (in lieu of T-2313) Page No. : 1 / 3

Validity 07/11/2018 to 06/11/2020 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- ORES & MINERALS	Bauxite	Alumina as Al ₂ O ₃	IS 2000: 1985 Reaffirmed 2017	20 % to 55 %
2	CHEMICAL- ORES & MINERALS	Bauxite	Calcium Oxide as CaO	IS 2000: 1985 Reaffirmed 2017	0.05 % to 8 %
3	CHEMICAL- ORES & MINERALS	Bauxite	Ferric Oxide as Fe ₂ O ₃	IS 2000: 1985 Reaffirmed 2017	0.5 % to 25 %
4	CHEMICAL- ORES & MINERALS	Bauxite	Loss on Ignition as LOI	IS 2000: 1985 Reaffirmed 2017	10 % to 28 %
5	CHEMICAL- ORES & MINERALS	Bauxite	Magnesium Oxide as MgO	IS 2000: 1985 Reaffirmed 2017	0.02 % to 6 %
6	CHEMICAL- ORES & MINERALS	Bauxite	Silica as SiO ₂	IS 2000: 1985 Reaffirmed 2017	0.5 % to 15 %
7	CHEMICAL- ORES & MINERALS	Bauxite	Titanium as TiO ₂	IS 2000: 1985 Reaffirmed 2017	0.1 % to 5 %
8	CHEMICAL- ORES & MINERALS	Iron ore	Alumina as Al ₂ O ₃	IS 1493: 1981 Reaffirmed 2016	0.5 % to 35 %
9	CHEMICAL- ORES & MINERALS	Iron ore	Calcium Oxide as CaO	IS 1493: 1959 Reaffirmed 2016	0.005 % to 1.50 %
10	CHEMICAL- ORES & MINERALS	Iron ore	Ferrous Oxide as FeO	IBM Manual: 2004	0.2 % to 30 %
11	CHEMICAL- ORES & MINERALS	Iron ore	Iron as Fe	IS 1493: 1981 Reaffirmed 2016	20 % to 70 %
12	CHEMICAL- ORES & MINERALS	Iron ore	Loss on Ignition as LOI	ISO 11536: 2015	0.1 % to 15 %
13	CHEMICAL- ORES & MINERALS	Iron ore	Magnesium Oxide as MgO	IS 1493: 1959 Reaffirmed 2016	0.005 % to 1.5 %



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14	CHEMICAL- ORES & MINERALS	Iron ore	Manganese as Mn	IS 1493: 1959 Reaffirmed 2016	0.1 % to 3.0 %
15	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture as H ₂ O	IS 11690: 1986 Reaffirmed 2014	0.5 % to 20 %
16	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus as P	IS 1493: 1981 Reaffirmed 2016	0.02 % to 0.2 %
17	CHEMICAL- ORES & MINERALS	Iron ore	Silica as SiO ₂	IS 1493: 1981 Reaffirmed 2016	0.5 % to 25 %
18	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur as S	IS 1493: 1981 Reaffirmed 2016	0.005 % to 0.2 %
19	CHEMICAL- ORES & MINERALS	Iron ore	Titanium as TiO ₂	IS 1493: 1959 Reaffirmed 2016	0.08 % to 1.0 %
20	CHEMICAL- ORES & MINERALS	Iron Ore	Transportable Moisture Limit as TML	IMSBC Code Appendix 2: 2016	5 % to 21 %
21	CHEMICAL- ORES & MINERALS	Manganese ore	Alumina as Al ₂ O ₃	IS 1473: 2004 Reaffirmed 2016	0.05 % to 10 %
22	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron as Fe	IS 1473: 2004 Reaffirmed 2016	5 % to 35 %
23	CHEMICAL- ORES & MINERALS	Manganese ore	Manganese as Mn	IS 1473: 2004 Reaffirmed 2016	5 % to 55 %
24	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese Dioxide as MnO ₂	IS 1473: 2004 Reaffirmed 2016	3 % to 85 %
25	CHEMICAL- ORES & MINERALS	Manganese ore	Phosphorus as P	IS 1473: 2004 Reaffirmed 2016	0.005 % to 0.1 %
26	CHEMICAL- ORES & MINERALS	Manganese ore	Silica as SiO ₂	IS 1473: 2004	0.5 % to 25 %
27	CHEMICAL- ORES & MINERALS	Manganese ore	Sulphur as S	IS 1473: 2004 Reaffirmed 2016	0.005 % to 0.1 %



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28	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	IS 1350:1984: 2013	0.5 % to 25 %
29	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon	IS 1350:1984: 2013	By Calculation Method MU not applicable
30	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus as P	IS 1355: 1984 Reaffirmed 2013	0.01 % to 0.20 %
31	CHEMICAL- SOLID FUELS	Coal & Coke	Sulphur as S	IS 1350: 1969	0.010 % to 1.0 %
32	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	IS 1350 1984: 2013	0.5 % to 40 %