National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, MINEX METALLURGICAL CO. LTD., 68/3, MOUZA- NIMJI, TALUKA - KALMESHWAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10471 **Page No** 1 of 6

Validity 03/04/2022 to 02/04/2024 **Last Amended on** 20/06/2023

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- METALS & ALLOYS	Aluminium Alloys	Boron, B	SOP/CLMM/ICP/01-09 Issue No. 03
2	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Copper, Cu	SOP/CLMM/XRF/01-09 Issue No. 03
3	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Iron, Fe	SOP/CLMM/ICP/01-09 Issue No. 03
4	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Iron, Fe	SOP/CLMM/XRF/01-09 Issue No. 03
5	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Lead, Pb	SOP/CLMM/XRF/01-09 Issue No. 03
6	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Magnesium, Mg	SOP/CLMMIXRF/01- 09 Issue No. 03
7	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Manganese, Mn	SOP/CLMMIXRF/01- 09 Issue No. 03
8	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Nickel, Ni	SOP/CLMMIXRF/01- 09 Issue No. 03
9	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Silicon, Si	IS:504 (Part 6)
10	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Silicon, Si	SOP/CLMMIXRF/01- 09 Issue No. 03
11	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Strontium, Sr	SOP/CLMM/Wet/01-05 Issue No. 02
12	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Titanium, Ti	SOP/CLMM/ICP/01-09 Issue No. 03
13	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Titanium, Ti	SOP/CLMMIXRF/01- 09 Issue No. 03
14	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Zinc, Zn	SOP/CLMM/XRF/01-09 Issue No. 03
15	CHEMICAL- METALS & ALLOYS	Ferro Aluminium (FeAl)	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
16	CHEMICAL- METALS & ALLOYS	Ferro Aluminium (FeAl)	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
17	CHEMICAL- METALS & ALLOYS	Ferro Boron (FeB)	Boron, B	IS 3295 (Part II)
18	CHEMICAL- METALS & ALLOYS	Ferro Boron (FeB)	Boron, B	SOP/CLMM/ICP/01-04 Issue No. 03

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, MINEX METALLURGICAL CO. LTD., 68/3, MOUZA- NIMJI, TALUKA - KALMESHWAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10471 **Page No** 2 of 6

Validity 03/04/2022 to 02/04/2024 **Last Amended on** 20/06/2023

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
19	CHEMICAL- METALS & ALLOYS	Ferro Boron (FeB)	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
20	CHEMICAL- METALS & ALLOYS	Ferro Boron (FeB)	Silicon, Si	IS 3295 (Part 1)
21	CHEMICAL- METALS & ALLOYS	Ferro Boron (FeB)	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
22	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Aluminum, Al	IS 1559 (PART 5)
23	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Aluminum, Al	SOP/CLMM/XRF/01- 01 Issue No. 03
24	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Calcium, Ca	IS 1559 (PART 6)
25	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Calcium, Ca	SOP/CLMMIXRF/01- 01 Issue No. 03
26	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
27	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Phosphorous, P	IS 1559 (PART IV)
28	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Phosphorous, P	SOP/CLMM/XRF/01- 01 Issue No. 03
29	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon, Si	IS 1559 (PART-I)
30	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon, Si	SOP/CLMM/XRF/01- 01 Issue No. 03
31	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
32	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Aluminum, Al	IS 1559 (PART 5)
33	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Aluminum, Al	SOP/CLMM/XRF/01- 01 Issue No. 03
34	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Calcium, Ca	IS 1559 (Part 6)
35	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Calcium, Ca	SOP/CLMMIXRF/01- 01 Issue No. 03
36	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Phosphorous, P	SOP/CLMM/XRF/01- 01 Issue No. 02
37	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Silicon, Si	IS 1559 (Part I)

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, MINEX METALLURGICAL CO. LTD., 68/3, MOUZA- NIMJI, TALUKA - KALMESHWAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10471 **Page No** 3 of 6

Validity 03/04/2022 to 02/04/2024 **Last Amended on** 20/06/2023

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
38	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Silicon, Si	SOP/CLMM/XRF/01- 01 Issue No. 03
39	CHEMICAL- METALS & ALLOYS	Ferro Silicon Alloys	Zirconium, Zr	IS 15396
40	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Aluminum, Al	SOP/CLMM/XRF/01- 01 Issue No. 03
41	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Calcium, Ca	IS 2018
42	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Calcium, Ca	SOP/CLMM/XRF/01- 01 Issue No. 03
43	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
44	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Iron, Fe	SOP/CLMMIXRF/01- 01 Issue No. 03
45	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Phosphorous, P	IS 1559 (PART IV)
46	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Phosphorous, P	SOP/CLMM/XRF/01- 01 Issue No. o3
47	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Silicon, Si	IS 2018
48	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Silicon, Si	SOP/CLMM/XRF/01- 01 Issue No. 03
49	CHEMICAL- METALS & ALLOYS	Ferro Silicon Calcium (FeSiCa)	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
50	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium (FeSiMg)	Calcium, Ca	IS 14529 (Part 2)
51	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium (FeSiMg)	Magnesium, Mg	IS 14529 (Part 2)
52	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium (FeSiMg)	Silicon, Si	IS 14529 (Part 2)
53	CHEMICAL- METALS & ALLOYS	Ferro Silicon Zirconium (FeSiZr)	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
54	CHEMICAL- METALS & ALLOYS	Ferro Silicon Zirconium (FeSiZr)	Silicon, Si	IS 15396
55	CHEMICAL- METALS & ALLOYS	Ferro Silicon Zirconium (FeSiZr)	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
56	CHEMICAL- METALS & ALLOYS	Ferro Silicon Zirconium (FeSiZr)	Zirconium, Zr	IS 15396

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, MINEX METALLURGICAL CO. LTD., 68/3, MOUZA- NIMJI, TALUKA - KALMESHWAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10471 **Page No** 4 of 6

Validity 03/04/2022 to 02/04/2024 **Last Amended on** 20/06/2023

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
57	CHEMICAL- METALS & ALLOYS	Ferro Titanium (FeTi)	Aluminum, Al	SOP/CLMM/XRF/01- 03 Issue No. 03
58	CHEMICAL- METALS & ALLOYS	Ferro Titanium (FeTi)	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
59	CHEMICAL- METALS & ALLOYS	Ferro Titanium (FeTi)	Silicon, Si	IS 13840 (Part 2)
60	CHEMICAL- METALS & ALLOYS	Ferro Titanium (FeTi)	Silicon, Si	SOP/CLMM/XRF/01- 03 Issue No. 03
61	CHEMICAL- METALS & ALLOYS	Ferro Titanium (FeTi)	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
62	CHEMICAL- METALS & ALLOYS	Ferro Titanium (FeTi)	Titanium, Ti	ISO 7692
63	CHEMICAL- METALS & ALLOYS	HC Ferro Chromium	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
64	CHEMICAL- METALS & ALLOYS	HC Ferro Chromium	Chromium, Cr	IS 13452 (PART 5)
65	CHEMICAL- METALS & ALLOYS	HC Ferro Chromium	Phosphorous, P	IS 13452 (PART 7)
66	CHEMICAL- METALS & ALLOYS	HC Ferro Chromium	Silicon, Si	IS 13452 (PART 1)
67	CHEMICAL- METALS & ALLOYS	HC Ferro Chromium	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
68	CHEMICAL- METALS & ALLOYS	HC Ferro Manganese	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
69	CHEMICAL- METALS & ALLOYS	HC Ferro Manganese	Manganese, Mn	IS 1559 SEC III PART 20
70	CHEMICAL- METALS & ALLOYS	HC Ferro Manganese	Phosphorous, P	IS 1559 SEC III PART 23
71	CHEMICAL- METALS & ALLOYS	HC Ferro Manganese	Silicon, Si	IS 1559 SEC III PART 18
72	CHEMICAL- METALS & ALLOYS	HC Ferro Manganese	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
73	CHEMICAL- METALS & ALLOYS	LC Ferro Chromium	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
74	CHEMICAL- METALS & ALLOYS	LC Ferro Chromium	Chromium, Cr	IS 13452 (PART 6)
75	CHEMICAL- METALS & ALLOYS	LC Ferro Chromium	Phosphorous, P	IS 13452 (PART 7)

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, MINEX METALLURGICAL CO. LTD., 68/3, MOUZA- NIMJI, TALUKA - KALMESHWAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10471 **Page No** 5 of 6

Validity 03/04/2022 to 02/04/2024 **Last Amended on** 20/06/2023

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
76	CHEMICAL- METALS & ALLOYS	LC Ferro Chromium	Silicon, Si	IS 13452 (PART 2)
77	CHEMICAL- METALS & ALLOYS	LC Ferro Chromium	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
78	CHEMICAL- METALS & ALLOYS	LC Ferro Manganese	Carbon, C	SOP/CLMM/CS/01 Issue No. 02
79	CHEMICAL- METALS & ALLOYS	LC Ferro Manganese	Manganese, Mn	IS 1559 SEC III PART 20
80	CHEMICAL- METALS & ALLOYS	LC Ferro Manganese	Phosphorous, P	IS 1559 SEC III PART 23
81	CHEMICAL- METALS & ALLOYS	LC Ferro Manganese	Silicon, Si	IS 1559 SEC III PART 18
82	CHEMICAL- METALS & ALLOYS	LC Ferro Manganese	Sulfur, S	SOP/CLMM/CS/01 Issue No. 02
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Plain steel)	Carbon, C	ASIM E-1019 (Leco)
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Plain steel)	Manganese, Mn	IS 228 (Part 2)
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Plain steel)	Phosphorous, P	IS 228 (Part 3)
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Plain steel)	Silicon, Si	IS 228 (Part 8)
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel (Plain steel)	Sulfur, S	ASIM E-1019 (Leco)
88	CHEMICAL- METALS & ALLOYS	Silicon Metal	Aluminum, Al	SOP/CLMM/ICP/01-21 Issue No. 03
89	CHEMICAL- METALS & ALLOYS	Silicon Metal	Calcium, Ca	SOP/CLMM/ICP/01-21 Issue No. 03
90	CHEMICAL- METALS & ALLOYS	Silicon Metal	Iron, Fe	SOP/CLMM/ICP/01-21 Issue No. 03
91	CHEMICAL- METALS & ALLOYS	Titanium Metal & Alloys	Aluminum, Al	SOP/CLMM/ICP/01-23 Issue No. 03
92	CHEMICAL- METALS & ALLOYS	Titanium Metal & Alloys	Iron, Fe	SOP/CLMM/ICP/01-23 Issue No. 03
93	CHEMICAL- METALS & ALLOYS	Titanium Metal & Alloys	Vanadium, V	SOP/CLMM/ICP/01-23 Issue No. 03
94	CHEMICAL- METALS & ALLOYS	Zinc Metal & Alloys	Aluminum, Al	SOP/CLMM/ICP/01-24 Issue No. 03

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, MINEX METALLURGICAL CO. LTD., 68/3, MOUZA- NIMJI, TALUKA - KALMESHWAR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10471 **Page No** 6 of 6

Validity 03/04/2022 to 02/04/2024 **Last Amended on** 20/06/2023

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
95	CHEMICAL- METALS & ALLOYS	Zinc Metal & Alloys	Cadmium, Cd	SOP/CLMM/ICP/01-24 Issue No. 03
96	CHEMICAL- METALS & ALLOYS	Zinc Metal & Alloys	Copper, Cu	SOP/CLMM/ICP/01-24 Issue No. 03
97	CHEMICAL- METALS & ALLOYS	Zinc Metal & Alloys	Iron, Fe	SOP/CLMM/ICP/01-24 Issue No. 03
98	CHEMICAL- METALS & ALLOYS	Zinc Metal & Alloys	Lead, Pb	SOP/CLMM/ICP/01-24 Issue No. 03
99	CHEMICAL- METALS & ALLOYS	Zinc Metal & Alloys	Tin, Sn	SOP/CLMM/ICP/01-24 Issue No. 03
100	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina, Al203	IS 1493 (Part I)
101	CHEMICAL- ORES & MINERALS	Iron Ore	Iron, Fe	IS 1493
102	CHEMICAL- ORES & MINERALS	Iron Ore	Lime, CaO	IS 1493
103	CHEMICAL- ORES & MINERALS	Iron Ore	Magnesium Oxide, MgO	IS 1493
104	CHEMICAL- ORES & MINERALS	Iron Ore	Manganese, Mn	IS 1493
105	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorous, P	IS 1493
106	CHEMICAL- ORES & MINERALS	Iron Ore	Silica, SiO2	IS 1493
107	CHEMICAL- ORES & MINERALS	Iron Ore	Titanium Dioxide, TiO2	IS 1493
108	CHEMICAL- SOLID FUELS	COKE	Sulphur, S	IS 1350 (Part 3)
109	CHEMICAL- SOLID FUELS	COKE	Ash	IS 1350(Part 1)
110	CHEMICAL- SOLID FUELS	COKE	Fixed Carbon, FC	IS 1350(Part 1)
111	CHEMICAL- SOLID FUELS	COKE	Inherent Moisture	IS 1350(Part 1)
112	CHEMICAL- SOLID FUELS	COKE	Phosphorus, P	IS 1350(Part-5)
113	CHEMICAL- SOLID FUELS	COKE	Volatile Matter	IS 1350(Part 1)
114	CHEMICAL- SOLID FUELS	CPC	Volatile Matter	IS 1448 (Part 134)