National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, GEOLOGICAL SURVEY OF INDIA, CENTRAL REGION, NAGPUR, GEOLOGICAL SURVEY OF INDIA, CENTRAL REGION, SEMINARY HILLS, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7824 **Page No** 1 of 4

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 31/10/2022

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- SOIL AND ROCK	Rock	Aluminium oxide (Al2O3)	GSI/CR/NGP/SOP/XRF/02
2	CHEMICAL- SOIL AND ROCK	Rock	Barium (Ba)	GSI/CR/NGP/SOP/XRF/02
3	CHEMICAL- SOIL AND ROCK	Rock	Calcium Oxide(CaO)	GSI/CR/NGP/SOP/XRF/02
4	CHEMICAL- SOIL AND ROCK	Rock	Chromium (Cr)	GSI/CR/NGP/SOP/XRF/02
5	CHEMICAL- SOIL AND ROCK	Rock	Cobalt (Co)	GSI/CR/NGP/SOP/XRF/02
6	CHEMICAL- SOIL AND ROCK	Rock	Copper (Cu)	GSI/CR/NGP/SOP/XRF/02
7	CHEMICAL- SOIL AND ROCK	Rock	Gallium (Ga)	GSI/CR/NGP/SOP/XRF/02
8	CHEMICAL- SOIL AND ROCK	Rock	Iron Oxide (Fe2O3)	GSI/CR/NGP/SOP/XRF/02
9	CHEMICAL- SOIL AND ROCK	Rock	Lead (Pb)	GSI/CR/NGP/SOP/XRF/02
10	CHEMICAL- SOIL AND ROCK	Rock	Magnesium Oxide (MgO)	GSI/CR/NGP/SOP/XRF/02
11	CHEMICAL- SOIL AND ROCK	Rock	Manganese Oxide (MnO)	GSI/CR/NGP/SOP/XRF/02
12	CHEMICAL- SOIL AND ROCK	Rock	Nickel (Ni)	GSI/CR/NGP/SOP/XRF/02
13	CHEMICAL- SOIL AND ROCK	Rock	Niobium (Nb)	GSI/CR/NGP/SOP/XRF/02
14	CHEMICAL- SOIL AND ROCK	Rock	Phosphorus Oxide (P2O5)	GSI/CR/NGP/SOP/XRF/02
15	CHEMICAL- SOIL AND ROCK	Rock	Potassium Oxide (K2O)	GSI/CR/NGP/SOP/XRF/02
16	CHEMICAL- SOIL AND ROCK	Rock	Rubidium (Rb)	GSI/CR/NGP/SOP/XRF/02
17	CHEMICAL- SOIL AND ROCK	Rock	Scandium (Sc)	GSI/CR/NGP/SOP/XRF/02
18	CHEMICAL- SOIL AND ROCK	Rock	Silicon Oxide (SiO2)	GSI/CR/NGP/SOP/XRF/02

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7824 **Page No** 2 of 4

Validity 21/09/2022 to 20/09/2024 **Last Amended on** 31/10/2022

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19	CHEMICAL- SOIL AND ROCK	Rock	Sodium Oxide (Na2O)	GSI/CR/NGP/SOP/XRF/02
20	CHEMICAL- SOIL AND ROCK	Rock	Strontium (Sr)	GSI/CR/NGP/SOP/XRF/02
21	CHEMICAL- SOIL AND ROCK	Rock	Thorium (Th)	GSI/CR/NGP/SOP/XRF/02
22	CHEMICAL- SOIL AND ROCK	Rock	Titanium Oxide (TiO2)	GSI/CR/NGP/SOP/XRF/02
23	CHEMICAL- SOIL AND ROCK	Rock	Vanadium (V)	GSI/CR/NGP/SOP/XRF/02
24	CHEMICAL- SOIL AND ROCK	Rock	Yttrium (Y)	GSI/CR/NGP/SOP/XRF/02
25	CHEMICAL- SOIL AND ROCK	Rock	Zinc (Zn)	GSI/CR/NGP/SOP/XRF/02
26	CHEMICAL- SOIL AND ROCK	Rock	Zirconium (Zr)	GSI/CR/NGP/SOP/XRF/02
27	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream sediment	Rubidium (Rb)	GSI/CR/NGP/SOP/ICP/01
28	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Arsenic (As)	GSI/CR/NGP/SOP/ICP/01
29	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Beryllium (Be)	GSI/CR/NGP/SOP/ICP/01
30	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Cerium (Ce)	GSI/CR/NGP/SOP/ICP/01
31	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Dysprosium (Dy)	GSI/CR/NGP/SOP/ICP/01
32	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Erbium (Er)	GSI/CR/NGP/SOP/ICP/01
33	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Europium (Eu)	GSI/CR/NGP/SOP/ICP/01
34	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Gadolinium (Gd)	GSI/CR/NGP/SOP/ICP/01
35	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Germanium (Ge)	GSI/CR/NGP/SOP/ICP/01
36	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Hafnium (Hf)	GSI/CR/NGP/SOP/ICP/01
37	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Holmium (Ho)	GSI/CR/NGP/SOP/ICP/01

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Certificate Number TC-7824 **Page No** 3 of 4

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38	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Lanthanum (La)	GSI/CR/NGP/SOP/ICP/01
39	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Lutetium (Lu)	GSI/CR/NGP/SOP/ICP/01
40	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Neodymium (Nd)	GSI/CR/NGP/SOP/ICP/01
41	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Praseodymium (Pr)	GSI/CR/NGP/SOP/ICP/01
42	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Samarium (Sm)	GSI/CR/NGP/SOP/ICP/01
43	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Tantalum (Ta)	GSI/CR/NGP/SOP/ICP/01
44	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Terbium (Tb)	GSI/CR/NGP/SOP/ICP/01
45	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Thorium (Th)	GSI/CR/NGP/SOP/ICP/01
46	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Thulium (Tm)	GSI/CR/NGP/SOP/ICP/01
47	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Tin (Sn)	GSI/CR/NGP/SOP/ICP/01
48	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Uranium (U)	GSI/CR/NGP/SOP/ICP/01
49	CHEMICAL- SOIL AND ROCK	Rock, Soil and Stream Sediments	Ytterbium (Yb)	GSI/CR/NGP/SOP/ICP/01
50	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Aluminum Oxide (Al2O3)	GSI/CR/NGP/SOP/XRF/01
51	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Barium (Ba)	GSI/CR/NGP/SOP/XRF/01
52	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Calcium Oxide (CaO)	GSI/CR/NGP/SOP/XRF/01
53	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Chromium (Cr)	GSI/CR/NGP/SOP/XRF/01
54	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Cobalt (Co)	GSI/CR/NGP/SOP/XRF/01
55	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Copper (Cu)	GSI/CR/NGP/SOP/XRF/01
56	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Gallium (Ga)	GSI/CR/NGP/SOP/XRF/01

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Certificate Number TC-7824 **Page No** 4 of 4

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57	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Iron Oxide (Fe2O3)	GSI/CR/NGP/SOP/XRF/01
58	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Lead (Pb)	GSI/CR/NGP/SOP/XRF/01
59	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Magnesium Oxide (MgO)	GSI/CR/NGP/SOP/XRF/01
60	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Manganese Oxide (MnO)	GSI/CR/NGP/SOP/XRF/01
61	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Nickel (Ni)	GSI/CR/NGP/SOP/XRF/01
62	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Niobium (Nb)	GSI/CR/NGP/SOP/XRF/01
63	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Phosphorus Oxide (P2O5)	GSI/CR/NGP/SOP/XRF/01
64	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Potassium Oxide (K2O)	GSI/CR/NGP/SOP/XRF/01
65	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Rubidium (Rb)	GSI/CR/NGP/SOP/XRF/01
66	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Scandium (Sc)	GSI/CR/NGP/SOP/XRF/01
67	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Silicon Oxide (SiO2)	GSI/CR/NGP/SOP/XRF/01
68	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Sodium Oxide (Na2O)	GSI/CR/NGP/SOP/XRF/01
69	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Strontium (Sr)	GSI/CR/NGP/SOP/XRF/01
70	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Thorium (Th)	GSI/CR/NGP/SOP/XRF/01
71	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Titanium Oxide (TiO2)	GSI/CR/NGP/SOP/XRF/01
72	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Vanadium (V)	GSI/CR/NGP/SOP/XRF/01
73	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Yttrum (Y)	GSI/CR/NGP/SOP/XRF/01
74	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Zinc (Zn)	GSI/CR/NGP/SOP/XRF/01
75	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediments	Zirconium (Zr)	GSI/CR/NGP/SOP/XRF/01