



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

NATIONAL CENTRE FOR COMPOSITIONAL CHARACTERISATION OF MATERIALS, BHABHA ATOMIC RESEARCH CENTRE, DEPARTMENT OF ATOMIC ENERGY, ECIL POST, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

**RMP Name :**

**Accreditation Standard**

ISO 17034: 2016

**Certificate Number**

RC-1026

**Page No**

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**Validity**

03/02/2024 to 02/02/2026

**Last Amended on**

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S.No	Types of reference materials (Certified Reference Materials, Reference Materials or both) Category & Subcategory	Reference Material Matrix or Artefact	Property / Properties Characterized	Approach used to assign property values / Characterization Technique
Permanent Facility				
1	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	Al <sub>2</sub> O <sub>3</sub>	Using a network of competent laboratories
2	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	Cr <sub>2</sub> O <sub>3</sub>	Using a network of competent laboratories
3	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	Fe <sub>2</sub> O <sub>3</sub>	Using a network of competent laboratories
4	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	LOI at 1000 oC	Using a network of competent laboratories
5	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	MgO	Using a network of competent laboratories
6	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	MnO	Using a network of competent laboratories



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7	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	SiO <sub>2</sub>	Using a network of competent laboratories
8	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	TiO <sub>2</sub>	Using a network of competent laboratories
9	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Bauxite	V <sub>2</sub> O <sub>5</sub>	Using a network of competent laboratories
10	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Dolomite	Al <sub>2</sub> O <sub>3</sub>	Using a network of competent laboratories
11	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Dolomite	BaO	Using a network of competent laboratories
12	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Dolomite	CaO	Using a network of competent laboratories



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13	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Dolomite	Fe <sub>2</sub> O <sub>3</sub>	Using a network of competent laboratories
14	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Dolomite	MgO	Using a network of competent laboratories
15	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Dolomite	SrO	Using a network of competent laboratories
16	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Aluminium	Using a network of competent laboratories
17	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Calcium	Using a network of competent laboratories
18	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Iron	Using a network of competent laboratories



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19	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Magnesium	Using a network of competent laboratories
20	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Potassium	Using a network of competent laboratories
21	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Sodium	Using a network of competent laboratories
22	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - INORGANIC REFERENCE MATERIALS	Quartz	Titanium	Using a network of competent laboratories
23	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Noodles Powder	Total Lead	Using a network of competent laboratories
24	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Aluminum	Using a network of competent laboratories
25	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Barium	Using a network of competent laboratories



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26	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Cadmium	Using a network of competent laboratories
27	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Calcium	Using a network of competent laboratories
28	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Copper	Using a network of competent laboratories
29	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Iron	Using a network of competent laboratories
30	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Lead	Using a network of competent laboratories
31	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Magnesium	Using a network of competent laboratories
32	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Manganese	Using a network of competent laboratories
33	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Mercury	Using a network of competent laboratories



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34	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Phosphorus	Using a network of competent laboratories
35	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Potassium	Using a network of competent laboratories
36	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Strontium	Using a network of competent laboratories
37	CERTIFIED REFERENCE MATERIAL, CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Zinc	Using a network of competent laboratories
38	REFERENCE MATERIAL (NON CERTIFIED), CHEMICAL COMPOSITION - ORGANIC REFERENCE MATERIALS	Tea Powder	Arsenic	Using a network of competent laboratories