SCOPE OF ACCREDITATION

Laboratory Name : QUALITY ASSURANCE LABORATORY, VEDANTA LIMITED, STERLITE COPPER, 1/1/2 , VILLAGE CHINCHPADA, SILVASSA, DADRA AND NAGAR HAVELI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7892 **Page No** 1 of 2

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 06/10/2021

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- INDUSTRIAL & FINE CHEMICALS	Electrolyte	Acid Concentration	Acid – Base Titration Based on Inorganic analysis by Vogel WI-QC-IPI-02
2	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Electrolyte	Chloride Concentration	Manufacturer Application bulletin / Potentiometer Titration, WI-QC-IPI-03
3	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Electrolyte	Copper Concentration	Short Iodide Method. Standard method for chemical analysis Based on Inorganic analysis by Vogel book WI-QC-IPI-01
4	CHEMICAL- METALS & ALLOYS	Copper Cathode and Wire Rods	Copper Percentage	As per ASTM B49 (Substraction method clause 13.1.3)
5	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Arsenic	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
6	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Antimony	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
7	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Bismuth	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
8	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Iron	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
9	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Lead	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
10	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Nickel	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
11	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Oxygen	WI/QC/01, Based on Oxygen Determinator Leco Manual ASTMB49- 207 Based on Oxygen Determinator Leco Manual & SOP#WI-QC-01dated 01.05.2018, ASTM B49-2017,
12	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Selenium	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
13	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Silver	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
14	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Sulphur	Sulphur analyser Manual , WI-QC-FPI-03, ASTM B 115-16
15	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Tellurium	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)

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Accreditation Standard	ISO/IEC 17025:2017		
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16	CHEMICAL- METALS & ALLOYS	Copper Cathodes and Wire Rods	Tin	DC arc Manual , WI-QC-FPI-16, ASTM (B115-16)
17	CHEMICAL- METALS & ALLOYS	Copper Rods	Surface oxide	Surface Oxide Determinator Manual, ASTMB49-17, SOP WI-QC-01
18	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Conductors	Resistivity of Electrical Conductor Material	ASTM B193-16
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Rods & Copper Wire	% Elongation	ASTM E8/E8m -16a ASTM B49-2017, WI/QC/09 ,WI/QC/03
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Rods & Copper Wire	Diameter	ASTM E8/E8m -16a ASTM B49-2017, WI/QC/09 , WI/QC/03
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Rods & Copper Wire	Tensile Strength	ASTM E8/E8m -16a ASTM B49-2017, WI/QC/09 , WI/QC/03