



Valid from 15 January 2024  
to 14 January 2028  
Issued on 14 February 2024

As an accredited laboratory, this laboratory is entitled to  
use the following accreditation symbol.



ISO/IEC 17025  
TL 084-01

## Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 084-01

**Analytical laboratory**  
**Geological Survey & Mines Bureau,**  
**No. 569, Epitamulla Road,**  
**Pitakotte.**

**Scope of Accreditation:** Performing Chemical testing on Minerals (Quartz), Dolomite, Water  
& Waste Water as per test methods appearing in the schedule

The Laboratory is accredited for the following tests appear on page 02 & 03;

SI NO	Product(s) / Material of test	Specific tests performed	Test Method/Standard against which tests are performed	Range of testing/ Limits of detection
<b>Chemical Testing</b>				
01	Quartz	SiO <sub>2</sub>	(GSMB-AL-MM-01: Issue 1) Based on the book “Chemical Methods of Rock Analysis. The Pergamon Series in Analytical Chemistry, Volume 4, 3 <sup>rd</sup> edition by P. G. Jeffery and D. Hutchison	95-100%
		Fe	IS 1917: (Part 5): 1992 Reaffirmed 2017	2mg/Kg – 7000mg/Kg
02	Dolomite/ Fertilizers	SiO <sub>2</sub>	IS 1760: (Part 2) :1991 –First revision Reaffirmed 2017	0.10 – 10.00%
		CaO	SLS 645: Part 6: Section 1:1990	1.00 – 65.00%
		MgO	SLS 645: Part 6: Section 1:1990	1.00 – 52.0%
		Loss on ignition	IS 1760: (Part 1) :1991 –First revision Reaffirmed 2017	1.00 – 50.00%
03	Water (Drinking water & Surface water)	pH	APHA 4500 - H+B 23 <sup>rd</sup> Edition:2017	2 -11
		Conductivity	APHA 2510 - B 23 <sup>rd</sup> Edition:2017	1 - 2000 µS/cm
		Arsenic	ISO 17378-2:2014(E) Water Quality - Determination of Arsenic & antimony Part 2: ISO 11885-2: Water Quality Method Determination of selected elements by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)	1.0 -100µg/L
		Mercury	ISO 17852:2006 (E) Water Quality- Determination of Mercury- Method using Atomic Fluorescence Spectrometry	0.5-100µg/L
		Alkalinity	APHA 2320 - B 23 <sup>rd</sup> Edition	5-100mg/L
		Hardness	APHA 2340 - C 23 <sup>rd</sup> Edition	5-250 mg/L
		Chlorides	APHA 4500 – Cl-B 23 <sup>rd</sup> Edition	0.1 – 250 mg/L

<b>SI NO</b>	<b>Product(s) / Material of test</b>	<b>Specific tests performed</b>	<b>Test Method/Standard against which tests are performed</b>	<b>Range of testing/ Limits of detection</b>
<b>04</b>	Waste Water (Treated & untreated)	<b>pH</b>	APHA 4500 - H <sup>+</sup> B 23 <sup>rd</sup> Edition	2 -11
		<b>Conductivity</b>	APHA 2510 - B 23 <sup>rd</sup> Edition	100µS/cm – 25 mS/cm
		<b>Arsenic</b>	ISO 17378-2:2014(E) Water Quality - Determination of Arsenic & antimony Part 2: ISO 11885-2: Water Quality Method Determination of selected elements by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)	1.0 -400µg/L
		<b>Mercury</b>	ISO 17852:2006 (E) Water Quality- Determination of Mercury- Method using Atomic Fluorescence Spectrometry	0.5-500µg/L
		<b>Alkalinity</b>	APHA 2320 - B 23 <sup>rd</sup> Edition	5-500mg/L
		<b>Hardness</b>	APHA 2340 - C 23 <sup>rd</sup> Edition	5-1000mg/L
		<b>Chlorides</b>	APHA 4500 – Cl-B 23 <sup>rd</sup> Edition	0.1 – 1000mg/L

Director/CEO  
Sri Lanka Accreditation Board for Conformity Assessment