



Valid from 15 January 2021  
to 14 January 2024  
Issued on 15 January 2021

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 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 given in the scope.

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

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) Validated Laboratory developed method 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. (pages 292 & 293)	95-100%
02		Fe	IS 1917: (Part 5): 1992 Reaffirmed 2017	2-7000mg/Kg
03	Dolomite/ Fertilizers (Carbonaceous minerals)	SiO <sub>2</sub>	IS 1760: (Part 2) :1991 –First revision Reaffirmed 2017	0.10-10.00%
04		CaO	SLS 645: Part 6:1990	1.00-65.00%
05		MgO	SLS 645: Part 6:1990	1.0-52.00%
06		Loss on ignition	IS 1760: (Part 1) :1991 –First revision Reaffirmed 2017	1.00-50.00%
07	Water/Waste water	pH	APHA 23 <sup>rd</sup> Edition, 4500- H+B	2 -11
08		Conductivity	APHA 23 <sup>rd</sup> Edition, 2510 -B	100µS/cm - 500 mS/cm
09		Arsenic (As)	ISO 17378-2:2014(E) Water Quality - Determination of Arsenic & antimony Part 2: Method using Hydride Generation Atomic Absorption Spectrometry (HG-AAS)	1.0µg/L-400µg/L
10		Mercury (Hg)	ISO 17852:2006 (E) Water Quality- Determination of Mercury- Method using Atomic Fluorescence Spectrometry	0.5µg/L-100µg/L
11		Alkalinity	APHA 23 <sup>rd</sup> Edition, 2320-B	10 – 10,000mg/L
12		Hardness	APHA 23 <sup>rd</sup> Edition, 2340-C	5 – 1000mg/L
13		Chlorides	APHA 23 <sup>rd</sup> Edition, 4500- Cl-B	2 -250mg/L

Director/CEO  
Sri Lanka Accreditation Board for Conformity Assessment