

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



Valid from 16 July 2014
To 15 July 2017
Issued on 26 October 2015



ISO/IEC 17025
TL 012- 03

Schedule of Accreditation

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

Accreditation Number: TL 012 – 03

XRF Laboratory – Life Science Division
Sri Lanka Atomic Energy Board
No.60/460, Baseline Road
Orugodawatta
Wellampitiya

Scope of Accreditation: Performing Chemical Testing (Multi Element analysis by XRF techniques for Ti, Fe, Zn, Cu, Pb, Br, Sr and Rb in matrices; plant materials, soils, sediments, and alloys) as per the test methods appearing in this schedule

The laboratory is accredited for the test as given in page 02;

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Limits of detection	Uncertainty (±) 95% Confidence Level (%)
1	Soil /Sediments	Ti Fe Zn Cu Pb Br Sr Rb	X-ray Fluorescence Analysis (IAEA QXAS method) AEA/XRF/SOP-02 Revision 02, Issue 01	ppm 420-10000 72-90000 9-250 9-40 9-50 9-150 3-100 3-120	ppm 140 24 3 3 3 3 1 1	20 20 10 10 10 5 5 5
2	Plant Materials	Ti Fe Zn Cu Pb Br Sr Rb	AEA/XRF/SOP-02 Revision 02, Issue 01	ppm - 30-1256 6-50 3-25 9-260 3-570 3-750 3-130	ppm - 10 2 1 3 1 1 1	- 20 10 10 10 5 5 5
3	Alloys	Cr Mn Fe Ni Cu Zn Pb	X-ray Fluorescence Analysis (PK QAES AXIL Method) AEA/XRF/SOP-02 Revision 02, Issue 01	% 5-30 0.2-5 0.05-100 2-50 0.1-65 0.5-40 0.01-2	% 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.05%

Director /CEO
Sri Lanka Accreditation Board for Conformity Assessment