



Valid from 30 June 2020
to 29 June 2023
Issued on 30 June 2020

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



ISO/ IEC 17025
CL 001- 01

Schedule of Accreditation

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

Accreditation Number: CL 001- 01

**Secondary Standards Dosimetry Laboratory
Sri Lanka Atomic Energy Board
No. 60/460, Baseline Road, Orugodawatte, Wellampitiya.**

Scope of Accreditation: Protection level calibration of radiation monitoring instruments (Survey Meters, Area Monitors, Personnel Dosimeters) as per the calibration methods appearing in this schedule.

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

Sl No	Type of Instrument	Calibration Performed	Calibration Methods/ Measurement Procedure	Range of Calibration	Calibration Measurement Capability	Location
01	Survey Meters	Cs-137- Ambient Dose Equivalent Rate	Calibration against a secondary standard free air (SOP #08A & 09A)	18.9 μ Sv/h- 29.3 μ Sv/h	2.0 %	Laboratory
		Co-60- Ambient Dose Equivalent Rate		1.0 μ Sv/h- 185.6 μ Sv/h	3.9 %	
		X-ray (48-118 keV)- Ambient Dose Equivalent Rate		15.0 μ Sv/h- 127.1 μ Sv/h	2.7 %	
02	Area Monitors	Cs-137- Ambient Dose Equivalent Rate	Calibration against a secondary standard free air (SOP #08A & 09A)	18.9 μ Sv/h- 29.3 μ Sv/h	3.4 %	
		Co-60- Ambient Dose Equivalent Rate		18.9 μ Sv/h- 29.3 μ Sv/h	2.9 %	
03	Personal Dosimeters	Cs-137- Personal Dose Equivalent Rate	Calibration against a secondary standard free air (SOP #10A)	19.1 μ Sv/h- 29.6 μ Sv/h	4.0 %	

Sl No	Type of Instrument	Calibration Performed	Calibration Methods/ Measurement Procedure	Range of Calibration	Calibration Measurement Capability	Location
Routine calibrations for the calibration of reference standards						
04	PTW, M/No.UNIDOS Webline, S/N0.379 Electrometer /Dosimeter with 600cc NE, M/No.2575, S/N0.303 Ion Chamber	Cs- 137/Gamma Rays Air-kerma Rates	Calibration of the Electrometer with 600 cc Ion Chamber for Gamma Radiation (Cs- 137 and Co-60) and X-Rays (SOP #:06A)	50.16	0.85	Laboratory
		Co-60 Gamma Rays Air-kerma Rates		49.72	0.48	
		40kV X-Rays Air-kerma Rates		44.06	0.76	
		60kV X-Rays Air-kerma Rates		43.67	0.76	
		80kV X-Rays Air-kerma Rates		43.46	0.73	
		100kV X-Rays Air-kerma Rates		43.04	0.76	
		120kV X-Rays Air-kerma Rates		42.82	0.74	
		150kV X-Rays Air-kerma Rates		42.95	0.73	

Director /CEO

Sri Lanka Accreditation Board for Conformity Assessment