

CERTIFICATE OF ACCREDITATION

NATIONAL DOSIMETRY LABORATORY, RADIATION PROTECTION INSPECTORATE

Established by the Radiation Protection Act, 2006

Facility Accreditation Number: TEST-7 0001

is a SADCAS accredited Testing Laboratory
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

RADIATION DOSIMETRY TESTING

The facility is accredited in accordance with the recognized International Standard

ISO/IEC 17025:2017

*The accreditation demonstrates technical competency for a defined scope and the operation
of a laboratory quality management system*

*SADCAS is a subsidiary organization of SADC. A memorandum of understanding between SADC and
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States
as a multi-economy accreditation body*

Mrs Pinkie J Malebe
For Chief Executive Officer

Date of Renewal of Accreditation: 21 March 2023
Effective Date (Issue No.1): 21 March 2023
Certificate Expires: 20 March 2028

ANNEXURE A
SCHEDULE OF ACCREDITATION
RADIATION DOSIMETRY TESTING

Laboratory Accreditation Number: TEST-7 0001 (ISO/IEC 17025:2017)

<p><u>Permanent Address of Laboratory</u> National Dosimetry Laboratory, Radiation Protection Inspectorate Plot 132 Unit B, Gaborone International Finance Park Gaborone Botswana</p> <p><u>Postal Address</u> Private Bag BO 1 Gaborone Botswana</p> <p><u>Tel</u> : +267 3188388/3685175 <u>Cell</u> : +267 72 859 285 <u>Fax</u> : +267 3957025 <u>Email</u> : twsolomon@gov.bw</p>		<p><u>Technical Signatories</u></p> <p>: Dr T Solomon (All methods) Mr K B Bolele (All methods) Mr E Ramopedi (All methods) Mr E Chene (All methods) Mr T K Lebane (All methods)</p> <p><u>Nominated Representative</u> : Dr T Solomon</p> <p><u>Issue No</u> : 02 <u>Date of Issue</u> : 06 February 2024 <u>Expiry Date</u> : 20 March 2028</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Thermoluminescence Dosimetry (TLD)	<p><u>Personnel/Whole Body Monitoring</u> Assessment of Personal dose</p> <ul style="list-style-type: none"> - equivalents $H_p(10)$ and $H_p(0.07)$ for external photon radiation - Assessment of Personal dose equivalent $H_p(0.07)$ for external beta radiation 	Harshaw Model 6600 Plus automated TLD Reader with WinREMS