Schedule

Issue date: 26 March 2025
Valid Until: -

NO: SAMM 275

LABORATORY LOCATION/ CENTRAL OFFICE:	Radiation Metrology Group, Nuclear Malaysia Radiation Safety and Health Division SSDL/BKS Block 32 , Bangi 43000 Kajang Selangor , 9000, SELANGOR MALAYSIA
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF TESTING:	RADIOACTIVITY (IONIZING RADIATION)

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Radiation Metrology Group, Nuclear Malaysia Radiation Safety and Health Division SSDL/BKS Block 32 , Bangi 43000 Kajang Selangor , 9000, Selangor
FIELD(S) OF TESTING :	RADIO FREQUENCY,

SCOPE OF TESTING : RADIOACTIVITY (IONIZING RADIATION)

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Absorbed Dose: ®°co	5 kGy to 50 kGy	None
B) Gamma Ray Dose Rate: C) Beta Ray Dose Rate: / 9°y	440 to 28 51 to 1	5.0 % of reading 3.2 % of reading
B) X Ray Air Kerma Rate: 100 Kv -" 250 Kv (bipm-ccri)	1.5 to 4.5	2.0 % of reading
C) X Ray Air Kerma Rate: 20 Kv -" 50 Kv (bipm-ccri)	17 mGy.h" to 1.5	1.5 % of reading
Ceric-cerous (ce-ce) Dosimeter	5 kGy to 50 kGy	4.3 % of reading
D) Beta Ray Dose Rate: / 9°y	20 to 420	3.2 % of reading
D) Gamma Ray Absorbed Dose To Water Rate: Co	1.7 to 2.7	1.5 % of reading

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Dosimetric Detectors In Diagnostic Radiology (except Mammography)	Diagnostic X-Rays, 40 kV to 150 kV, a. RQR (beam on the patient) b. RQA (beam behind the patient) c. RQT (unattenuated beam used in	2.9%
	Computed Tomography)	None
	Dose: Min: 0.25 pGy Max: 660 mGy Dose Rate: Min: 25 nGy/s Max: 13 Gy/s	None
E) Gamma Ray Ambient Dose Equivalent Rate: F) Gamma Ray Ambient Dose Equivalent Rate:	4.1 to 270 110 to 16	5.0 % of reading 5.0 % of reading
G) Gamma Ray Ambient Dose Equivalent Rate:	130 to 1.5 mSv.h"	5.0 % of reading
Personal Dosimeter A) Gamma Ray Dose Rate:	4.2 mSv.h" to 270	5.0 % of reading
Survey Meter And Dosimeter (cont.) D) Gamma Ray Ambient Dose Equivalent Rate:	440 to 29	5.0 % of reading
Survey Meter And Dosimeter A) Gamma Ray Air Kerma Rate: B)	3.5 to 220 (0.399 to 25.057 0.38 mGy.h to 25 (43 to 2.844	2.9 % of reading 2.9 % of reading
Gamma Ray Air Kerma Rate: C) X-ray Air Kerma Rate: 40 Kv To 250 Kv (iso 4037 Beam Quality)	0.05 mGy.h to 58 (5.7 to 6.621	1.9 % of reading
Therapy Dosimeter A) Gamma Ray Air Kerma Rate:	67 to 3.1	1.5 % of reading