Issue date: 20 August 2025
Valid Until: -

NO: SAMM 873
(Issue 1, 20 August 2025 replacement
of SAMM 873 dated 20 August 2025)

LABORATORY LOCATION/ CENTRAL OFFICE:	APM Calibration Centre, APM Nuclear Technology Sdn. Bhd. No.6, Suntract Hub Bangi, Off Jln P1a, Section 13, Bandar Baru Bangi, 43000 Kajang, Selangor Darul Ehsan, Malaysia. , 43000, SELANGOR MALAYSIA
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF CALIBRATION:	RADIOACTIVITY

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).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

CENTRAL LOCATION	APM Calibration Centre, APM Nuclear Technology Sdn. Bhd. No.6, Suntract Hub Bangi, Off Jln P1a, Section 13, Bandar Baru Bangi, 43000 Kajang, Selangor Darul Ehsan, Malaysia. , 43000, Selangor
FIELD(S) OF CALIBRATION :	RADIOACTIVITY,

SCOPE OF CALIBRATION : RADIOACTIVITY

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Survey Meter / Air Kerma Rate. Ka	X-ray (40 kV to 300 kV) 8.6 µGy/h to 21.1 mGy/h	1.9 % of reading	Reference from SAFETY REPORT SERIES No. 16 Calibration of radiation protection monitoring instruments, IAEA (2000), International Organization of Standard (ISO) 403 – 1 and ISO 4037– 3

Issue date: 20 August 2025
Valid Until: -

NO: SAMM 873
(Issue 1, 20 August 2025 replacement
of SAMM 873 dated 20 August 2025)

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	Æ” – ray (Cs – 137) 3.5 µGy/h to 19.1 mGy/h	2.6 % of reading	Reference from SAFETY REPORT SERIES No. 16 Calibration of radiation protection monitoring instruments, IAEA (2000), International Organization of Standard (ISO) 403 – 1 and ISO 4037– 3
Survey Meter / Ambient Dose Equivalent Rate, H* (10)	X-ray (40 kV to 300 kV) 14.7 µGy/h to 34.1 mGy/h	4.4 % of reading	Reference from SAFETY REPORT SERIES No. 16 Calibration of radiation protection monitoring instruments, IAEA (2000), International Organization of Standard (ISO) 403 – 1 and ISO 4037– 3
	Æ” – ray (Cs – 137) 4.2 µGy/h to 22.8 mGy/h	4.8 % of reading	Reference from SAFETY REPORT SERIES No. 16 Calibration of radiation protection monitoring instruments, IAEA (2000), International Organization of Standard (ISO) 403 – 1 and ISO 4037– 3
Personal Dosimeter / Personal Dose Equivalent, Hp (10)	X-ray (40 kV to 300 kV) 14.7 µGy/h to 34.1 mGy/h	4.3 % of reading	Reference from SAFETY REPORT SERIES No. 16 Calibration of radiation protection monitoring instruments, IAEA (2000), International Organization of Standard (ISO) 403 – 1 and ISO 4037– 3

Issue date: 20 August 2025
Valid Until: -

NO: SAMM 873
(Issue 1, 20 August 2025 replacement
of SAMM 873 dated 20 August 2025)

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	Æ” – ray (Cs – 137) 1 mSv	4.3 % of reading	Reference from SAFETY REPORT SERIES No. 16 Calibration of radiation protection monitoring instruments, IAEA (2000), International Organization of Standard (ISO) 403 – 1 and ISO 4037– 3