Issue date: 26 March 2025
Valid Until: -

NO: SAMM 396

LABORATORY LOCATION/ CENTRAL OFFICE:	Alypz Sdn Bhd No.14, Jalan Industri USJ 1/1 Taman Perindustrian USJ 1 47600 Subang Jaya, Selangor , 47600, SELANGOR MALAYSIA
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF CALIBRATION:	RADIATION 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	Alypz Sdn Bhd No.14, Jalan Industri USJ 1/1 Taman Perindustrian USJ 1 47600 Subang Jaya, Selangor , 47600, Selangor
FIELD(S) OF CALIBRATION :	RADIATION, ELECTRICAL

SCOPE OF CALIBRATION : RADIATION

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Dosimeter Types:	None	None	
Dosimeters (osld)	monitoring with OSL	IAEA Safety Standards Series No.	
Dosimetry Reading On	Measurement of Deep Dose,	Using Landauer Microstar Reader	

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Ii. Inlight Ex	OSLD system (Energy):	None	
Iii. Nanodot	5keV ? 20 Mev	None	
Inlight Xa	Measurement range of	None	
Landauer Optically	Hp (10) and Shallow Dose	None	
Luminescence	personal and environmental	Occupational Radiation Protection,	
Stimulated	Hp (0.07) for usage in	International Atomic Energy Agency,	

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SCOPE OF CALIBRATION : RADIOACTIVITY

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
(i.e Soil,	emitters in various matrices for	In-house method	
(i.e. Raw Materials,	more than 3%: and	Germanium Detector (HpGe)	
(liquid, Solid & Airborne	Quantitative & qualitative	None	
Environmental Samples	None	None	
Finished Products &	None	technique.	
Food & Drinking	None	None	
Geochemical &	Gamma spectrometry Analysis	None	
Industrial Samples	Absolute yield intensity (ly)	spectroscopy Hyper Pure	
Materials Resulting From	keV up to 2000 keV	None	
Particulates)	determination of gamma	None	
Processes)	None	None	
Technological	None	None	
Waste/effluent &	Photon energies (Ey) of 40	None	
Water	Gross Alpha & Gross Beta	None	
	Arsenic as As	None	
	Antimony as Sb	None	
	Aluminium as Al	None	
	Beryllium as Be	None	
	Cadmium as Cd	None	
	Chromium as Cr	None	
	Lead as Pb	None	
	Silver as Ag	None	
	Selenium as Se	None	
	Thallium as TI	None	
	Mercury as Hg	In-house Method LWI-MWE 037 based on APHA 3112 B by	
	Mercury as Hg	Mercury Analyser	
	Nitrate	In-house Method LWI-MWE 032 based on HACH Nitrate	

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	Nitrate	Test Comparator	
	Sulfide	HACH Method 8131	
	Chlorine, Free Residual	In-house Method LWI-MWE	
	Chlorine, Free Residual	034 based on DPD-Palintest	
	Chlorine, Free Residual	Test Comparator	
	Total Chlorine	In-house Method LWI-MWE	
	Total Chlorine	035 based on DPD-Palintest	
	Total Chlorine	Test Comparator	
	Colour (ADMI)	APHA 2120 F	
	Heterotrophic Plate Count	None	
	Pseudomonas aeruginosa	In-house Method LWI-MME (APHA) 007	
	Pseudomonas aeruginosa	based on APHA 9213 E, 2020	
	Escherichia coli and Coliform	Escherichia coli and Coliform Bacteria. Part 1: Membrane filtration	
	Escherichia coli and Coliform	method	
	Escherichia coli and Coliform	Method No: MOH (1)	
	Escherichia coli and Coliform	ISO 29981 : 2010 (E), IDF 220 :	
	Escherichia coli and Coliform	2010 (E) Milk Products -	
	None	None	
	None	None	
	None	None	
	None	None	
Water,sediments & Air.	Radionuclide with:	AL/SOP/OP/3.07.05 using	