

Quality And Accreditation Institute

Centre for International Accreditation



QAI CIA is an ILAC MRA Signatory

Certificate of Accreditation

Platform for Research and Analysis in

Environmental Sciences (PRASE)

Lebanese University, Beirut, Lebanon

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2025/0142

Valid from: 04 October 2025

Valid until: 03 October 2028

A handwritten signature in black ink, appearing to read 'B. Rana'.

Dr. Bhupendra Kumar Rana
Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Vikram Kumar'.

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
1.	Soil	Cadmium (Cd)	ISO 11047 Soil quality - determination of Cadmium (cd), Chromium (Cr), Cobalt (Co), Copper (Cu), Lead (pb), Magnesium (Mg), Nickel (Ni), Zinc (Zn) in aqua regia extracts of soil - Flame and electrothermal atomic absorption spectrometric methods
2.		Lead (Pb)	
3.		Zinc (Zn)	
4.		Nickel (Ni)	
5.		Copper (Cu)	
6.		Magnesium (Mg)	
7.		Chromium (Cr)	
8.		Cobalt (Co)	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Drinking water	Identification of Chloride (Cl^-)	ISO 10304-1 Water quality- Determination of dissolved anions by liquid chromatography of ions - part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate
2.		Identification of Fluoride (F^-)	
3.		Identification of Nitrite (NO_2^-)	
4.		Identification of Bromide (Br^-)	
5.		Identification of Nitrate (NO_3^-)	
6.		Identification of Sulphate (SO_4^{2-})	
7.		Identification of Phosphate (PO_4^{3-})	
8.	Ground Water	Identification of Chloride (Cl^-)	ISO 10304-1 Water quality- Determination of dissolved anions by liquid chromatography of ions - part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate
9.		Identification of Fluoride (F^-)	
10.		Identification of Nitrite (NO_2^-)	
11.		Identification of Bromide (Br^-)	
12.		Identification of Nitrate (NO_3^-)	
13.		Identification of Sulphate (SO_4^{2-})	
14.		Identification of Phosphate (PO_4^{3-})	
15.	Surface Water	Identification of Chloride (Cl^-)	ISO 10304-1 Water quality- Determination of dissolved
16.		Identification of Fluoride (F^-)	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
17.		Identification of Nitrite (NO_2^-)	anions by liquid chromatography of ions - part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate
18.		Identification of Bromide (Br^-)	
19.		Identification of Nitrate (NO_3^-)	
20.		Identification of Sulphate (SO_4^{2-})	
21.		Identification of Phosphate (PO_4^{3-})	
22.	Drinking Water, Ground Water, Surface Water	Determining the concentration of Cadmium in water samples	ISO 5961-1994: water Quality- Determination of cadmium by atomic absorption spectrometry



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
1.	Treated Waste Water	Determining the concentration of Cadmium in water samples	ISO 5961-1994: water Quality- Determination of cadmium by atomic absorption spectrometry



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pesticide Formulations		
1.	Powders	Particle size distribution analysis	ISO 13320 Particle size analysis - Laser diffraction methods
2.	Emulsions	Particle size distribution analysis	ISO 13320 Particle size analysis - Laser diffraction methods

