

Certificate of Accreditation

مختبر المبتكر (NAL 142)

م 14، مصفح – أبوظبي، الإمارات العربية المتحدة

حاصل على الإعتماذ في الفحوصات المذكورة في وثيقة المجال المرفقة وفقاً للمواصفة الدولية ISO/IEC 17025

AL MUBTAKAR LABORATORY (NAL 142)

M14, Mussafah – Abu Dhabi, UAE

Accredited according to the ISO/IEC 17025 Standard to undertake tests as specified in the attached Accreditation Scope



عمر أحمد صويغ السويدي
وكيل وزارة الصناعة والتكنولوجيا المتقدمة

Accredited on 2020/02/09 تاريخ منح الإعتماذ
Expires on 2023/02/08 تاريخ الإنتهاء

Accreditation in accordance to the ISO/IEC 17025:2017 Standard "General requirements for the competence of testing and calibration laboratories" and the relevant ENAS and ILAC requirements.

This certificate is invalid without the attached scope of accreditation, which subjected to annual surveillances as per ENAS procedure. Certificate can be updated or re-issued until the expiry date defined above. The validity of the certificate is subjected to continuous compliance with the requirements of the accreditation system. The lab is responsible for the results of its testing.

Initial Accreditation Date: 09/02/2020

1 وفقاً لمتطلبات المواصفة الدولية ISO/IEC 17025:2017 "المتطلبات العامة لكفاءة مختبرات الفحص والمعايرة" والمتطلبات ذات العلاقة الخاصة بنظام الإعتماذ الوطني الإماراتي ENAS والمنظمة الدولية لإعتماذ المختبرات ILAC.

مجال الإعتماذ جزء أساسي من هذه الشهادة حيث تخضع مجالات الإعتماذ المذكورة في الوثيقة المرفقة لعمليات متابعة لاحقة من قبل نظام الإعتماذ الوطني الإماراتي ENAS. وتعتبر هذه الشهادة صالحة وقابلة للتحديث وإعادة الإصدار حتى تاريخ الإنتهاء المدون اعلاه شريطة استمرار المختبر المذكور اعلاه في تطبيق متطلبات نظام الإعتماذ سالفة الذكر. يتحمل المختبر مسؤولية نتائج الفحص الصادرة عنه.

تاريخ منح الإعتماذ لأول مرة: 2020/02/09

Accreditation Scope

AL MUBTAKAR LABORATORY, NAL 142
Testing Laboratory, (ISO/IEC 17025:2017)

M14, Musaffah, Abu Dhabi, UAE

Issue Date: 27-07-2021

Expiry Date: 08-02-2023

Issue No: 05

Testing Field	Materials/ Products tested	Type of test/ Test parameter/Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
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Chemical	Water/Waste Water	pH 1 to 14 pH units	APHA 4500 H ⁺ B:2017, 23 rd edition	P
		Conductivity >1 μ S/Cm	APHA 2510B:2017, 23 rd edition	
		Turbidity >0.05 NTU	APHA 2130B:2017, 23 rd edition	
		Total Dissolved Solids (TDS) >1 mg/L	APHA 2540C:2017, 23 rd edition	
		Total Suspended Solids (TSS) >1 mg/L	APHA 2540D:2017, 23 rd edition	
		Alkalinity mg CaCO ₃ /L >2 mg/L	APHA 2320B:2017, 23 rd edition	
		Carbonate Alkalinity as CaCO ₃ >2 mg/L	APHA 2320B:2017, 23 rd edition	
		Bicarbonate alkalinity as CaCO ₃ >2 mg/L	APHA 2320B:2017, 23 rd edition	
		Hardness by Calculation (mg equivalent CaCO ₃ /L) >2 mg/L	APHA 2340B:2017, 23 rd edition	
		Calcium hardness as CaCO ₃ as CaCO ₃ /L >2 mg/L	M-SOP-27 Version 01 Rev 0 dated 12/11/2019	

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Chemical	Water/Waste Water	Calcium (Ca) >0.03 mg/L	APHA 3120B(Analysis) and APHA 3030E(Digestion):2017, 23 rd edition	P
		Magnesium (Mg) >0.003 mg/L		
		Iron (Fe) >0.002 mg/L		
		Sodium (Na) >0.4 mg/L		
		Potassium (K) >0.1mg/L		
		Chromium (Cr) >0.003 mg/L		
		Cadmium (Cd) >0.002 mg/L		
		Nickel (Ni) >0.002 mg/L		
		Zinc (Zn) >0.004 mg/L		
		Lead (Pb) >0.004 mg/L		
		Copper (Cu) >0.002 mg/L		
		Manganese (Mn) >0.002 mg/L		

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Chemical	Water/Waste Water	Chloride >0.1mg/L	APHA 4500Cl B:2017, 23 rd edition	P
		Sulphates as SO ₄ ²⁻ >2.0mg/L	HACH 8051, 10/2019 Edition 11	
		Fluoride >0.02mg/L	HACH 8029, 08/2018 Edition 10	
		Nitrate >0.1mg/L	HACH 8171, 01/2014 Edition 9	
		Nitrite >0.002mg/L	HACH 8507, 08/2019 Edition 11	
		Free Chlorine >0.02mg/L	HACH 8021, 01/2014 Edition 9	
Microbiological	Water/Waste Water	Heterotrophic plate count >1CFU/ml	APHA 9215B:2017, 23 rd edition	P
		Enumeration of Total Coliforms >1CFU/100ml	APHA 9222B:2017, 23 rd edition	
		Enumeration of Fecal Coliforms >1CFU/100ml	APHA 9222B & APHA 9221E:2017, 23 rd edition	

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Microbiological	Water/Waste Water	Enumeration of E. coli >1CFU/100ml	APHA 9222B & APHA 9221F:2017, 23rd edition	P
		Enumeration of Pseudomonas aeruginosa >1/100ml	APHA 9213E:2017, 23 rd edition	
		Enumeration of Enterococci >1 Presumptive Enterococci/100ml	APHA 9230C:2017, 23 rd edition	
	Water (Matrix A & B)	Detection and Enumeration of Legionella (>1CFU/L)	ISO 11731:2017 Matrix A Procedure 5, 7 Matrix B Procedure 8,9,10	
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