



Accreditation Scope

ADNOC Research and Innovation Center, NAL 254
Testing Laboratory, (ISO/IEC 17025:2017)

SAS Al Nakhl - Abu Dhabi - UAE, Abu Dhabi, United Arab Emirates

Issue Date: 03/09/2026

Expiry Date: 02/09/2029

Issue No: 1

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)
Physical	Crude Oil	Density at ambient pressure & specific temperature Pressure 15 psi, Temperature 25,40,50 °C	ASTM D 7042- 25 & ASTM D 445-24	ADNOC Research & Innovation Center (ADRIC)
Physical	Crude Oil	Kinematic Viscosity at ambient pressure & specific temperature Pressure 15 psi, Temperature 25,40,50 °C	ASTM D 7042-25 & ASTM D 445-24	ADNOC Research & Innovation Center (ADRIC)
Physical	Water, Crude Oil with solid surface	Measurement of Contact Angle and Surface Free Energy	ASTM D 7334-22	ADNOC Research & Innovation Center (ADRIC)

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Chemical	Rock, Soil	Mg, Al, Si, P, S, Cl, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Sr, Ag, Cd, Sn, Pb, Bi, Na, K, Ga, Li, Ti (Qualitative Analysis)	ASTM E 1621-22	ADNOC Research & Innovation Center (ADRIC)
Physical	Crude Oil	Density, digital, 15 °C (kg/L)	ASTM D 4052-22 and ASTM D 5002- 22	ADNOC Research & Innovation Center (ADRIC)
Chemical	Natural Gas	Compositional Analysis up to C11+	GPA 2286-24	ADNOC Research & Innovation Center (ADRIC)
Chemical	Crude Oil	Compositional Analysis up to C36+	ASTM D 7169-20	ADNOC Research & Innovation Center (ADRIC)
Physical	Water, Crude Oil	Surface & Interfacial tension (IFT) measurement at ambient pressure & 22° C	ISO 19403 -3-17	ADNOC Research & Innovation Center (ADRIC)

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Chemical	Liquid and solid sample	Ultraviolet Visible Quantitative Analysis	ASTM E 169-22	ADNOC Research & Innovation Center (ADRIC)
Chemical	Water	pH	EPA 150.1-82	ADNOC Research & Innovation Center (ADRIC)
Chemical	Water	Conductivity	ASTM D 1125-23	ADNOC Research & Innovation Center (ADRIC)
Physical	Water	Turbidity	ASTM D 7315-23	ADNOC Research & Innovation Center (ADRIC)
Chemical	Sediment from Crude oil (Asphaltenes)	CHN (Carbon, Hydrogen, Nitrogen)	ASTM D 5291-21	ADNOC Research & Innovation Center (ADRIC)
Chemical	water	TOC (Total Organic Carbon) and TN (Total Nitrogen)	ASTM D 7573-18 and ASTM D 8083-16	ADNOC Research & Innovation Center (ADRIC)

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Chemical	Rock, Soil	Dolomite, Calcite, Anhydrite, Quartz, Halite, Sylvite, Hematite, Gypsum, Lizardite, Muscovite, Clinocllore, Rinneite, Magnesite, Jarosite, Comblainite, Brushite, Oxydravite, Bassanite, Barite, Microcline, Goethite, Albite, Ankerite (Qualitative Analysis)	ASTM D 3294-23	ADNOC Research & Innvoation Center (ADRIC)
Physical	Polymer solution	Viscosity at different shear rates from 0.1 to 50 sec-1 (including points at 10 & 36 sec-1), 40 °C, 1500 ppm active content > 3.0 cp	ASTM D 2196-20	ADNOC Research & Innvoation Center (ADRIC)
Chemical	Water	Al, Sb, Ba, Ca, K, Li, Mg, Hg, Mn, Mo, Na, Rb, Si, Na, Sr, Th, Ti, V,	ASTM D 5673-24	ADNOC Research & Innvoation Center (ADRIC)

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Physical	Surface Area of Catalysts and Catalyst Carriers	Specific surface area and pore size analysis by BET method	ASTM D 3663-25	ADNOC Research & Innovation Center (ADRIC)
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