

10.6 Scope of Accreditation

Issue No: 01/ Issue Date: 8th August 2022
File Manager: Atta Subhan



ACCREDITED
TESTING
ISO/IEC 17025:2017
No. ATL 0137

Testing Laboratory Accreditation No. ATL 0137

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

| Saudi Aramco, Southern Area Laboratories Division, Khurais Laboratory Unit (KLU) | |
|---|--|
| <p>Address;</p> <p>Saudi Aramco Southern Area Laboratories Division Khurais Laboratory Unit Khurais Central Processing Facility Building No. 1008, Khurais</p> | <p>Contact Person: Ahmed Albutayshi Tel: (+966) 13 572-7471 Fax: (+966) 13 572-2631 Email: ahmad.bataish@aramco.com Web Address:</p> |

Locations where testing activities covered by the above Accreditation Standard are undertaken

1- address:

Saudi Aramco, Southern Area Laboratories Division, Khurais Laboratory Unit, Khurais Central Processing Facility, Building No. 1008, Khurais.

For the following scope:

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Scope:

7. Chemical Testing:

7.66 Waters

Scope details are as follows:

| TEST CATEGORY | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED | SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED | Remarks |
|------------------|---|---|---|---------|
| Chemical Testing | Water (clean water, high saline water, process water) | Determination of Chloride Ion | APHA 4500-Cl- (D), (23rd edition, 2017) | |
| Chemical Testing | Water (clean water, high saline water, process water) | Determination of Phosphorus | APHA 4500-P (G), (23rd edition, 2017) | |
| Chemical Testing | Water (clean water, high saline water, process water) | Determination of Alkalinity | ASTM D3875-15 | |
| Chemical Testing | Water (clean water, high saline water, process water) | Determination of pH | ASTM D1293-18 (A) | |
| Chemical Testing | Water (clean water, high saline water, process water) | Electrical Conductivity and Resistivity of Water | ASTM D1125-14 (A) | |

Version: 3.7

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Date: 10th March 2022

Approved by: Brahim Houla

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|------------------|---|---|--|--|
| Chemical Testing | Water (clean water, high saline water, process water) | Determination of Chlorine | APHA 4500 Cl (G), (23rd edition, 2017) | |
| Chemical Testing | Water (clean water, high saline water, process water) | Elements in Water by Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy Metals: Na, Mg, K, Sr, Ba, Fe, Mn, Ca, Zn, Si | ASTM D1976 | |
| Chemical Testing | Crude Oil | Water content and Sediment in Crude Oil by the Centrifuge Method. | D4007-11 (Reapproved 2016) e1 | |
| Chemical Testing | Crude Oil | Determination of Salts in Crude Oil (Electrometric Method) | ASTM D3230-19 | |
| Chemical Testing | Crude Oil | Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method | ASTM D1298-12b (Reapproved 2017) | |
| Chemical Testing | Crude Oil | Density, Relative Density of Liquids by Digital Density Meter | ASTM D4052-18a | |
| Chemical Testing | Crude Oil | Determination of vapor pressure of crude oil | ASTM D6377 | |

Note: the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

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Log of Suspended Scopes: None

| TEST CATEGORY | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED | SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED | Date Suspended | Date Reinstated |
|---------------|-------------------------------------|---|---|----------------|-----------------|
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Log of Withdrawn Scopes: None

| TEST CATEGORY | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED | SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED | Date Withdrawn |
|---------------|-------------------------------------|---|---|----------------|
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END

Status of this accreditation can be checked in the GAC's website to confirm the validity of this accreditation - <https://www.gac.org.sa/en/>