

10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 12-May-2022
File Manager: Hamza Khan

Calibration Laboratory Accreditation No. ACL 0016

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

ARIES MARINE SERVICES CO LTD	
<p>Address.</p> <p>Warehouse 6, Eyadh Bin Al Khuwailad Street, Al Manar, Dammam 32275, Kingdom of Saudi Arabia.</p>	<p>Contact: Noufin Yousuf Tel: +966 13 8570001 Fax: +966 13 344 9595 Email: ariesksa@ariesgroup.ae Web Address: www.ariesmar.com</p>

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

1- address: Warehouse 6, Eyadh Bin Al Khuwailad Street, Al Manar, Dammam 32275, Kingdom of Saudi Arabia

For the following scope:

Scope:

1. Calibration

- 1.03 Engineering Metrology Equipment
- 1.12 Weighing devices
- 1.20 Pressure and Vacuum Measuring Devices

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Scope details are as follows:

Calibration field 1: (Dimensional)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Indication Error (External Measurement)	0 to 600 mm	45 μ m	BS 887: 2008 + Internal Procedure QHSE/P11/KSA/CAL/JP03/VC	Vernier Caliper	P
Indication Error (Internal Measurement)					
Indication Error	0 to 25 mm	9.3 μ m	IS 2967: 1983 + Internal Procedure QHSE/P11/KSA/CAL/JP04/EM	Outside Micrometer	P

Calibration field 2: (Pressure)

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ACCREDITED
CALIBRATION

ISO/IEC 17025:2017

No. ACL 0016

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Relative Pressure (Oil)	0 to 700 bar	$4.0 \cdot 10^{-3} \times P$	DKD-R-6-1:2014 + Internal procedure QHSE/P11/KSA/CAL/JP01/PG	Mechanical and Electromechanical Manometers	P
Relative Pressure (Gas)	-0.9 to 0 bar	0.016 bar	DKD-R-6-1:2014 + Internal procedure QHSE/P11/KSA/CAL/JP02/PG		

Calibration field 3: (Weighing instruments NAWI)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Conventional Mass	Up to 10 kg	$7.1 \cdot 10^{-4} \times m$	OIML R 76-1:2006 + Internal procedure QHSE/P11/KSA/CAL/JP05/WB	Non-automatic weighing instruments	S
	>10 kg to 300 kg	$3.2 \cdot 10^{-5} \times m$			

*: Put only 'P', 'S' or 'P and S'

**Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMC's represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

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

Log of Suspended Scopes:

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *	Date Suspended	Date Reinstated
Indication error (External Measurement)	0 to 600 mm	41 µm	BS.887 + Internal procedure QHSE/P11/KSA/CAL/JP03/V C	Vernier Caliper	P	12-Sep-2021	12th May 2022
Indication error (Internal Measurement)	0 to 600 mm	21 µm	BS.887 + Internal procedure QHSE/P11/KSA/CAL/JP03/V C	Vernier Caliper	P	12-Sep-2021	12th May 2022
Indication error	0 to 25 mm	4.0 µm	IS 2967:1983	Indication error	P	12-Sep-2021	12th May 2022
Relative Pressure (Oil)	0 to 700 bar	1.0 · 10 ⁻³ x P	DKD-R-6-1:2014 + Internal procedure QHSE/P11/KSA/CAL/JP01/P G	Mechanical and Electromechanical Manometers	P	12-Sep-2021	12th May 2022
Relative Pressure (gas)	-0.9 to 0 bar		DKD-R-6-1:2014 + Internal procedure QHSE/P11/KSA/CAL/JP02/V G		P	12-Sep-2021	12th May 2022

Log of Withdrawn Scopes:

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Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *	Date Withdrawn

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/>