



EA-JAS

INTERNATIONAL ACCREDITATION PROGRAM

# CERTIFICATE OF ACCREDITATION

IS HEREBY GRANTED TO

**M/S. BOREMEC OILFIELD TECHNOLOGIES INC.**

P.O Box 2139, Pc 111, Cpo Seeb, Muscat, Sultanate of Oman

UNDER THE TESTING AND CALIBRATION LABORATORIES PROGRAM  
IN ACCORDANCE WITH

**ISO 17025:2017**

This Certificate is applicable to the following Product or Service Ranges:

Scope of Service / Business

(Refer Annexure for Detailed Description)

**PERIOD OF ACCREDITATION IS** - DEC 21, 2024 TO DEC 20, 2027

**CERTIFICATE NUMBER** : 0M24TC81392

Authorized signatory for the EA-JAS International Accreditation Program

STEVEN HILL

Director Registrar Programs

Euro American Joint Accreditation Services

Initial EA-JAS Accreditation: March 2015

The accreditation is subject to continuing conformity with EA-JAS accreditation requirements. The absence of a schedule on the EA-JAS website indicates that the accreditation is no longer in force.



[www.ea-jas.com](http://www.ea-jas.com)



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## *Annexure - 1*

No	Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
<b>CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*</b>				
<b>Dimensional</b>				
1	Digital / Vernier Caliper	0 mm to 2000 mm	0.015 mm	Comparison method using Gauge Block Set (Grade 0) & Ring Gauges
2	Outside Micrometer	0 mm to 500mm	0.002	Comparison method using Gauge Block Set (Grade 0)
3	Dial / Digital Indicator	0 mm to 25 mm	.006mm	Comparison method using Calibration Tester
4	Feeler Gauge	0 mm to 2 mm	.002mm	Comparison method using Digital Micrometer
<b>Mechanical</b>				
5	Pressure Gauge / Digital Pressure Gauge	0 bar to 20 bar	0.06 bar	Using Digital Pressure Calibrator
		1 bar to 35 bar	0.01 bar	Using Dead Weight Tester
		35 bar to 1200 bar	0.18 bar	Using Dead Weight Tester
6	Vacuum Gauge	minus 0.80 bar to 0 bar	0.01 bar	Using Digital Pressure Calibrator
7	Weighing Balance	1 mg to 220 g	0.048 mg	Comparison method using Precision Test Weights (F1)
		220 mg to 6200 g	0.018 g	
		6200 g to 20 kg	0.34 g	
		20 kg to 500 kg	30 g	Comparison method using Precision Test Weights (F1)
8	Test Weights	1 mg	0.09 mg	Comparison method using Test Weights (F1)
		2 mg	0.09 mg	
		5 mg	0.09 mg	
		10 mg	0.09 mg	
		20 mg	0.09 mg	
		50 mg	0.10 mg	
		100 mg	0.10 mg	
		200 mg	0.11 mg	
		500 mg	0.11 mg	
	1 g	0.12 mg		



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## *Annexure - 2*

No	Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
		2 g	0.12 mg	Comparison method using Test Weights (F1)
		5 g	0.13 mg	
		10 g	0.13 mg	
		20 g	0.14 mg	
		50 g	0.14 mg	
		100 g	0.26 mg	
		200 g	0.26 mg	
		5 kg	95 mg	
<b>Thermal</b>				
9	Digital / Dial Thermometer	minus 25 °C to 150 °C	0.05 °C	Comparison method using Digital Thermometer & Field metrology well
		150 °C to 400 °C	1.1 °C	Comparison method using Digital Thermometer & Dry Block Calibrator
10	Infrared Thermometer	50 °C to 500 °C	1.2 °C	Comparison method using Infrared Calibrator and Digital Thermometer
11	Temperature Installations – Ovens, Incubators, Stirred Water baths, Fridges and Freezers	minus 20 °C to 250 °C	1.0 °C	Comparison method using Digital Thermometer
<b>Electrical-DC/LF</b>				
12	DC Voltage Generate	1 mV to 1V	0.2 %	Direct Method using Fluke 5522A
		1 V to 100 V	0.002 %	
		100 V to 1000 V	0.002 %	
13	AC Voltage Generate (@ 50Hz)	1 mV to 1V	0.72 %	Direct Method using Fluke 5522A
		1 V to 100 V	0.03 %	
		100 V to 1000 V	0.04 %	
14	DC Current Generate	100 µA to 100 mA	0.71 %	Direct Method using Fluke 5522A and current coil
		100 mA to 1 A	0.03 %	
		1 A to 3 A	0.07 %	
		3 A to 20 A	0.13 %	
		20 A to 1000 A	0.21 %	



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## Annexure - 3

No	Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
15	AC Current Generate	100 $\mu$ A to 100 mA 100 mA to 1 A 1 A to 3 A 3 A to 20 A 20 A to 1000 A	0.71 % 0.03 % 0.07 % 0.13 % 0.21 %	Direct Method using Fluke 5522A and current coil
16	AC Current Generate	10 mA to 200 mA 200 mA to 3 A 3 A to 20A 20 A to 1000 A	0.07 % 0.2 % 0.2 % 1.0 %	Direct Method using Fluke 5522A
17	DC Resistance Generate	1 $\Omega$ to 100 $\Omega$ 100 $\Omega$ to 1 k $\Omega$ 1 k $\Omega$ to 100 k $\Omega$ 100 k $\Omega$ to 100 M $\Omega$	0.11 % 0.005 % 0.004 % 0.06 %	Direct Method using Fluke 5522A
18	Capacitance Generate	50 nF to 100 nF 100 nF to 1 $\mu$ F 1 $\mu$ F to 100 $\mu$ F 100 $\mu$ F to 9 mF	0.24 % 0.41 % 0.20 % 0.58 %	Direct Method using Fluke 5522A
19	Frequency Generate	10 Hz to 1 MHz	0.0003%	Direct Method using Fluke 5522A
20	Temperature Simulation Temperature Indicator/ Controller/Recorder/ Test Kit/ universal calibrators	minus200 $^{\circ}$ C to 1300 $^{\circ}$ C	0.6 $^{\circ}$ C	Simulation Method using Fluke 5522A

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