



**Annex (1)**

Updated on: 25-11-2018

To the Accreditation Certificate No. **JAS Cal. - 005** Dated **2018-05-08**

For the Laboratory of **SAMA** for Calibration and Qualification

**Scope of Accreditation**

**Calibration of Temperature and Pressure**

Measurand	Measuring Range	Calibration and measurement Capability (CMC)/ Uncertainty of measurement	Measurement Procedure
<b>Temperature</b>			
Thermocouples	-40 °C to +140 °C	0.3 °C	EURAMET cg-8 SP14-1, Issue 2, revision 3, Issue date 10/08/2017, effective date: 28/11/2017
	-23 °C to +150 °C	1.12 °C	
	-30 °C to +150 °C	0.97 °C	
	50 to < 150 °C	0.54 °C	
	150 to < 300 °C	0.71 °C	
	300 to 400 °C	0.91 °C	
	50 to < 150 °C	0.96 °C	
	150 to < 250 °C	1.27 °C	
	250 to < 350 °C	1.60 °C	
	350 to 650 °C	5.6 °C	
Total immersion Glass Thermometers	-20 °C to +110 °C	0.5 °C	OIML 133 SP14-3, Issue 2, revision 3, Issue date 10/08/2017, effective date: 28/11/2017
	-20 °C to +110 °C	1.0 °C	
Total immersion Glass Thermometers	-20 °C to +110 °C	0.97 °C	OIML 133 SP14-3, Issue 2, revision 3, Issue date 10/08/2017, effective date: 28/11/2017
	50 °C to +110 °C	0.51 °C	
	50 °C to +110 °C	0.83 °C	



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Data Loggers	5 °C to < 25 °C	0.69 °C	EURAMET cg-8 SP14-4, Issue 2, revision 2, Issue date 10/08/2017, effective date: 18/09/2017
	25 °C to < 40 °C	0.69 °C	
	40 °C to +50 °C	0.90 °C	
	0 °C to < 25 °C	0.58 °C	
	25 °C to < 45 °C	0.78 °C	
	45 °C to +60 °C	0.97 °C	
<b>Pressure</b>			
Pressure	1 – < 100 Pa	2.9 Pa	SP14-5, Issue 2, revision 4, Issue date 10/08/2017, effective date: 28/11/2017
	100 – 15000 Pa	9.4 Pa	
	0.1 – 50 Bar	0.12 Bar	
Pressure	0.1 – 50 Bar	0.29 Bar	EURAMET cg-17 SP14-5, Issue 2, revision 4, Issue date 10/08/2017, effective date: 28/11/2017
	0.1 – 50 Bar	0.29 Bar	
Vacuum Pressure	-15000 to > -100 Pa	9.7 Pa	SP14-6, Issue 2, revision 4, Issue date 10/08/2017, effective date: 28/11/2017
	-100 to -1 Pa	2.9 Pa	
	-0.8 to 0.1 Bar	0.013 Bar	
	-0.8 to 0.1 Bar	0.013 Bar	



THE HASHEMITE KINGDOM OF  
JORDAN  
**Accreditation Unit**



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**Calibration of Temperature and Pressure**

List of employees in the laboratory who are technically responsible for issuing the calibration certificates in the scope of accreditation:

1. Malek Shamlawe / Technical Manager
2. Mohammed Naji / Lab Supervisor
3. Essa Jamal/ Lab Supervisor
4. Anas Dahshan / Calibration Technician
5. Ismael Al-Khateeb / Calibration Technician
6. Mohammad Adnan / Calibration Technician
7. Mohammad Idress / Calibration Technician
8. Mohammad Al-Jabali / Calibration Technician