EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 38/2023

SAFINA, a.s.
with registered office Vídeňská 104, 252 50 Vestec, Company Registration No. 03214257

to the Calibration Laboratory No. **2329**
Thermocouple Production Department – Calibration Laboratory

Scope of accreditation:

Calibration of thermoelectric temperature sensors made of precious and pure metals to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

The Certificate of Accreditation is valid until: **30. 1. 2028**

Prague: 30. 1. 2023

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
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Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

The Appendix is an integral part of
Certificate of Accreditation No. 38/2023 of 30/01/2023

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

SAFINA, a.s.
CAB number 2329, Thermocouple Production Department – Calibration Laboratory
Vídeňská 104, 252 50 Vestec

CMC for the field of measured quantity: Temperature

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Work-place
1	Thermoelectric temperature sensors made of pure and precious metals				419.527 °C		Zn	0.3 °C	Fixed points	PP.31901.070	
					660.323 °C		Al	0.3 °C			
					961.78 °C		Ag	0.5 °C			
					1064.18 °C		Au	0.7 °C			
					1084.62 °C		Cu	0.5 °C			
					1553.5 °C		Pd	1.4 °C			
2	Thermoelectric temperature sensors made of pure and precious metals	230 °C	to	420 °C				0.5 °C	Comparison with a reference thermoelectric temperature sensor in a horizontal furnace	PP.31901.071	
		420 °C	to	660 °C				0.9 °C			
		660 °C	to	1,085 °C				1.2 °C			
		1,085 °C	to	1,100 °C				1.4 °C			
		1,100 °C	to	1,400 °C				2.2 °C			
		1,400 °C	to	1,554 °C				2,7 °C			

[1] Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

[2] The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

[3] If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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