



**EA MLA Signatory**  
**Český institut pro akreditaci, o.p.s.**  
(Czech Accreditation Institute)  
**Hájkova 2747/22, Žižkov, 130 00 Praha 3**

issues

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

# CERTIFICATE OF ACCREDITATION

No. 568/2025

**MAVIS Nový Bor s.r.o.**  
**with registered office Svatopluka Čecha 152, Arnultovice, 473 01 Nový Bor**  
**Company Registration No. 47781491**

for the Calibration Laboratory No. 2376  
MAVIS Calibration Laboratory

Scope of accreditation:

Calibration in the field of temperature 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 abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 704/2020 of 18/11/2020, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **10/11/2030**

Prague: 10/11/2025



Signed in the Czech original:  
Jan Velíšek on 10/11/2025

Jan Velíšek  
Director of the Department  
of Testing and Calibration Laboratories  
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

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

**MAVIS Nový Bor s.r.o.**  
CAB number 2376, MAVIS Calibration Laboratory  
Svatopluka Čecha 152, Arnultovice, 473 01 Nový Bor

**CMC for the field of measured quantity: Temperature**

| Ord. number <sub>1</sub> | Calibrated quantity / Subject of calibration | Nominal range   |      |        |      | Parameter(s) of the measurand            | Lowest stated expanded measurement uncertainty <sup>2</sup>  | Calibration principle  | Calibration procedure identification <sup>3</sup> | Location |
|--------------------------|--|---|------|--------|------|--|--|--|---|----------|
|                          |  | min.  | unit | max.   | unit |  |  |  |   |          |
| 1                        | Resistance temperature sensors               | 0.01 °C   |      |        |      |  | 0.08 °C  | Direct measurement at triple point of water                    | F-QL-2  |          |
|                          |  | -30 °C  | to   | -22 °C |      |  | 0.18 °C  | Comparison with a standard thermometer in a vertical furnace   |   |          |
|                          |  | -22 °C  | to   | 50 °C  |      |  | 0.14 °C  | Comparison with a reference thermometer in a liquid bath       |   |          |
|                          |  | 50 °C to 150 °C<br>150 °C to 300 °C<br>300 °C to 500 °C<br>500 °C to 660 °C |      |        |      | 0.14 °C<br>0.28 °C<br>0.47 °C<br>0.57 °C | Comparison with a standard thermometer in a vertical furnace |  |   |          |
| 2                        | Thermocouple temperature sensors             | -30 °C to -22 °C  |      |        |      |  | 0.7 °C   | Comparison with a standard thermometer in a vertical furnace   | F-QL-1  |          |
|                          |  | -22 °C to 50 °C   |      |        |      |  | 0.7 °C   | Comparison with a reference thermometer in a liquid bath       |   |          |
|                          |  | 50 °C to 300 °C<br>300 °C to 660 °C   |      |        |      |  | 0.7 °C<br>1.3 °C   | Comparison with a standard thermometer in a vertical furnace   |   |          |
|                          |  | 660 °C to 1,000 °C<br>1,000 °C to 1,200 °C<br>1,200 °C to 1,550 °C          |      |        |      |  | 1.7 °C<br>2.1 °C<br>2.9 °C                                   | Comparison with a standard thermometer in a horizontal furnace |   |          |
| 3                        | Indicating thermometers and temperature      | -30 °C to -22 °C  |      |        |      |  | 0.2 °C   | Comparison with a standard thermometer in a vertical furnace   | F-QL-3  |          |

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| Ord. number <sup>1</sup> | Calibrated quantity / Subject of calibration | Nominal range |          |          |        | Parameter(s) of the measurand | Lowest stated expanded measurement uncertainty <sup>2</sup>    | Calibration principle | Calibration procedure identification <sup>3</sup> | Location |
|--------------------------|--|---------------|----------|----------|--------|-------------------------------|--|-----------------------|---|----------|
|                          |  | min.          | unit     | max.     | unit   |                               |  |                       |   |          |
|                          | measuring chains                             |               |          |          |        |                               |  |                       |   |          |
|                          |  | -22 °C        | to       | 50 °C    |        | 0.2 °C                        | Comparison with a reference thermometer in a liquid bath       |                       |   |          |
|                          |  | 50 °C         | to       | 300 °C   |        | 0.4 °C                        | Comparison with a standard thermometer in a vertical furnace   |                       |   |          |
|                          |  | 300 °C        | to       | 660 °C   |        | 0.7 °C                        | Comparison with a standard thermometer in a vertical furnace   |                       |   |          |
|                          |  | 660 °C        | to       | 1,000 °C |        | 1.9 °C                        | Comparison with a standard thermometer in a horizontal furnace |                       |   |          |
|                          | 1,000 °C                                     | to            | 1,200 °C |          | 2.3 °C |                               |  |                       |   |          |
|                          | 1,200 °C                                     | to            | 1,550 °C |          | 3.0 °C |                               |  |                       |   |          |

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> 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.

<sup>3</sup> 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).

*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."*