



The Source for Calibration Professionals



# CERTIFICATE OF CALIBRATION

**Issued By :**  
Isotech North America, Inc  
158 Brentwood Drive  
Unit #4  
Colchester VT 05446

**Certificate Number AC-26596**  
**Date of Issue:** 5/12/2021

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Approved Signatory

**P: 802 863 8050**  
**www.isotechna.com**

D. Bartlett  G. Viens  S. Sabourin

**Customer :** EDACI  
Cnel Lynch 2684, San Justo  
Provincia de Buenos Aires  
Argentina

**Instrument :** System ID : ID04084  
Description : Thermocouple (200 to 1200°C)  
Manufacturer : Isotech  
Model Number : 935-14-91  
Serial Number : 401663-1

**Calibration Info:**  
Date Received : 4/28/2021  
Job Number : J11639-2  
Order Number : S534491  
Procedure Number : 871  
Procedure Version : 20-1.0/N

**Environmental Conditions**  
Temperature : 20°C ± 1°C  
Relative Humidity : 30%RH ± 10%RH  
Mains Voltage : 120V ± 10V  
Mains Frequency : 60Hz ± 1Hz

### Comments

This certificate is issued in compliance with ISO/IEC 17025:2017 and our ANAB accredited quality system. Reported measurement uncertainties are stated with a coverage factor  $k=2$ , corresponding to a coverage probability of 95%. This temperature device has been calibrated against a precision thermometer and probe system as outlined in the Traceable Standards below.

### Traceability Information

Instrument Description	Serial Number	Certificate Number	Cal. Date	Period [Weeks]
MilliK Digital Thermometer	311317-5	AC-25953	9/8/2020	52
935-14-88 Thermocouple	391232/1	AC-26199	12/16/2020	52

**Calibrated By :** Ian Slay

**Date of Calibration :** 5/12/2021

This certificate provides traceability of measurement to recognized National standards, through units of measurement realized at the National Physical Laboratory (NPL), National Institute of Standards & Technology (NIST) or other recognized National standards laboratories to the International System of Units. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced except in full, without the prior written approval of the issuing laboratory.



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## AS FOUND RESULTS

Test Title	Applied Value	Tolerance	Reading	Uncertainty
200°C	201.72°C	± 1.5°C	201.94°C	± 0.53 °C
450°C	453.77°C	± 1.5°C	453.39°C	± 0.53 °C
700°C	705.40°C	± 1.8°C	704.92°C	± 0.53 °C
950°C	955.54°C	± 2.4°C	954.67°C	± 0.53 °C
1200°C	1204.43°C	± 3°C	1202.99°C	± 0.60 °C

## Voltage Data

**uV @ 201.72°C = 1457.3**

**uV @ 453.77°C = 3775.2**

**uV @ 705.40°C = 6327.1**

**uV @ 955.54°C = 9067.4**

**uV @ 1204.43°C = 11986.7**

## Coefficient Data

**CED A= 1.949304 E-2**

**CED B= -5.140827 E-5**

**CED C= 1.945818 E-8**

END OF TEST DATA