



Calibration complies with ISO/IEC
17025, ANSI/NCSL Z540-1, and 9001



Cert. No.: 4566-16244535

Traceable® Certificate of Calibration for Conductivity Calibration Standard

Cust ID: VWR International LLC Radnor Corporate Center, Bldg 1, Ste 200, 100 Matsonford Road, Radnor, PA, 19087

Identification:

Model: 46610-032, S/N: 250622795 Producer: Control Company LOT#CC28722

Standards/Equipment:

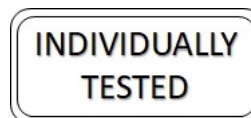
Description	Serial Number	Due Date	NIST Traceable Reference
Digital Thermometer	111879346	20 Nov 2025	4000-15552858
Conductivity/pH Meter	696R059N018		
Temperature Calibration Bath	B5C477		
Conductivity Probe/Meter	21089-F01	06 Apr 2026	TC40-16236045

Certificate Information:

Technician: 138 Procedure: CAL-41 Cal Date: 09 Oct 2025 Expiration Date: 09 Oct 2026
Test Conditions: 48.00%RH 24.80°C 1019mBar

Calibration Data:

Additional Information ----- Micromho/cm.....99.1
Microsiemens/cm99.1
Ohms/cm.....10,091
PPM D.S.66.1
Temperature.....25°C
Expanded measurement uncertainty at K=2; ± 0.8 micromho/cm TUR = 1.19:1



This certificate indicates traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement : (GUM). The uncertainty represents an expanded uncertainty using a coverage factor $k=2$ to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nicol Rodriguez
Nicol Rodriguez, Quality Manager

Michael Pietronico
Michael Pietronico, Technical Manager

Storage and Handling:

Use, Storage and Handling: This Conductivity Standard is intended primarily for use in electrolytic conductivity measurement as a calibration standard to determine the conductivity cell constant. The solution was prepared by dissolving Potassium Chloride in a mixture of n-propanol and deionized water and should not be degassed before use. The certificate is valid only if the solution is not mishandled, contaminated, modified, or outdated. The solution should be open for the minimum time required to dispense the solution. Discard the solution under the following circumstances: if the expiration date is past due, four months after opening, or if any color, turbidity, or visible microbiological growth become evident. Solutions which have been opened are not protected from microbiological growth and may need to be discarded within one to four months after opening. Store below 40°C and above 0°C.

Additional Information:

Expiration: One year from the date of issue of the certificate.
Traceability: This product was formulated according to OIML and traceable through the standard reference material listed above.
Stability: When stored in unopened container, the certified value is guaranteed for 1 year from the date of issue of the certificate.
Homogeneity: Not applicable to Individually tested bottles.
Measurement: The certified value was determined by measurement of samples under temperature controlled conditions with dedicated conductivity meter and cell calibrated using Standard Reference Materials(SRM)

Issue Date : 09 Oct 2025

CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598
Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com

Control Company is an ISO 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
Control Company is ISO 9001:2015 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-2006-AQ-HOU-ANAB.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



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Serial Number250622795

Compatibility Information:

Traceable® Conductivity Calibration Standards are traceable to standards provided by National Institute of Standards and Technology (NIST). Traceable® Conductivity Standards are 100% compatible with all makes of conductivity equipment and are 100% compatible with all conductivity accreditation analysis requirements. It meets accreditation requirements for U.S. Government CAP, ASTM, NCCLS, ACS, and APHA. It may be used to calibrate instruments and to determine a conductivity cell constant.

Temperature Correction Chart in micromhos/cm

°C	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
15	81.1	81.3	81.4	81.6	81.8	82.0	82.1	82.3	82.5	82.6
16	82.8	83.0	83.1	83.3	83.5	83.7	83.8	84.0	84.2	84.4
17	84.5	84.7	84.9	85.1	85.2	85.4	85.6	85.7	85.9	86.1
18	86.3	86.5	86.6	86.8	87.0	87.2	87.3	87.5	87.7	87.9
19	88.0	88.2	88.4	88.6	88.8	88.9	89.1	89.3	89.5	89.7
20	89.8	90.0	90.2	90.4	90.6	90.7	90.9	91.1	91.3	91.5
21	91.6	91.8	92.0	92.2	92.4	92.6	92.7	92.9	93.1	93.3
22	93.5	93.7	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.1
23	95.3	95.5	95.7	95.9	96.1	96.3	96.5	96.6	96.8	97.0
24	97.2	97.4	97.6	97.8	98.0	98.2	98.3	98.5	98.7	98.9
25	99.1	99.3	99.5	99.7	99.9	100.1	100.3	100.5	100.6	100.8
26	101.0	101.2	101.4	101.6	101.8	102.0	102.2	102.4	102.6	102.8
27	103.0	103.2	103.4	103.6	103.8	104.0	104.1	104.3	104.5	104.7
28	104.9	105.1	105.3	105.5	105.7	105.9	106.1	106.3	106.5	106.7
29	106.9	107.1	107.3	107.5	107.7	107.9	108.1	108.3	108.5	108.7
30	108.9	109.1	109.3	109.5	109.7	109.9	110.1	110.4	110.6	110.8
31	111.0	111.2	111.4	111.6	111.8	112.0	112.2	112.4	112.6	112.8
32	113.0	113.2	113.4	113.6	113.8	114.1	114.3	114.5	114.7	114.9
33	115.1	115.3	115.5	115.7	115.9	116.1	116.3	116.6	116.8	117.0
34	117.2	117.4	117.6	117.8	118.0	118.2	118.5	118.7	118.9	119.1
35	119.3	119.5	119.7	119.9	120.2	120.4	120.6	120.8	121.0	121.2

Temperature Correction Information:

1.88%

If your conductivity meter allows you to set a temperature coefficient (temperature correction) then the underlines number shown above is the best approximation for this specific Serial Number for this specific Traceable® Calibration Standard. For more precise measurements use the chart. Use the above chart only if you are making absolute measurements. That is, measurements without any automatic temperature correction (temperature coefficient set to 0). Using a thermometer, measure the temperature of this standard. Shown on the chart is temperature (in the far-left column) in whole degree. Shown across the top row is temperature in tenths of a degree. Locate the measured temperature in whole numbers on the far-left column, then follow across the row to the temperature in tenths of a degree. At the intersection is the value at that specific temperature. Standardize your meter using that value. Example: Measured temperature is 20.4 °C. Find 20 °C in the far-left column, find the row 0.4°C. Where 20 °C and 0.4°C intersect, read the value in microseimens/cm.

The temperature correction chart and temperature coefficient are protected by Control Company's Copyright. All patent rights are reserved by Control Company for the algorithms used for the temperature correction chart.

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