chemlab

Conductivity Standards

Product code	Product name	Contents	Measured value @20°C	Measured value @25°C
CL03.1150.0500	Potassium chloride 0.0006 mol/l	500 ml	75.80 µS	84 µS
CL03.1133.0500	Potassium chloride 0.001 mol/l	500 ml	133 µS	147 µS
CL03.1101.0500	Potassium chloride 0.01 mol/l	500 ml	1278 µS	1413 µS
CL03.1102.1000	Potassium chloride 0.02 mol/l	1 l	2542 µS	2765 µS
CL03.1108.1000	Potassium chloride 0.1 mol/l	1 l	11.67 mS	12.88 mS
CL03.1124.0500	Potassium chloride 0.2 mol/l	500 ml	22.4 mS	24.7 mS
CL03.1104.1000	Potassium chloride 1 mol/l	1 l	102.1 mS	111.8 mS

	Measured value @25°C			
CL03.1127.0500	Potassium chloride solution 5 µS	500 ml		
CL03.1135.0500	Potassium chloride solution 10 µS	500 ml		
CL03.1136.0500	Potassium chloride solution 20 µS	500 ml		
CL03.1128.0500	Potassium chloride solution 25 µS	500 ml		
CL03.1134.0500	Potassium chloride solution 50 µS	500 ml		
CL03.1119.0500	Potassium chloride solution 100 µS	500 ml		
CL03.1137.0500	Potassium chloride solution 200 µS	500 ml		
CL03.1121.0500	Potassium chloride solution 500 µS	500 ml		
CL03.1138.0500	Potassium chloride solution 1.000 µS	500 ml		
CL03.1139.0500	Potassium chloride solution 5.000 µS	500 ml		
CL03.1140.0500	Potassium chloride solution 10.000 µS	500 ml		
CL03.1141.0500	Potassium chloride solution 20.000 µS	500 ml		
CL03.1142.0500	Potassium chloride solution 50.000 µS	500 ml		
CL03.1143.0500	Potassium chloride solution 100.000 µS	500 ml		
CL03.1144.0500	Potassium chloride solution 150.000 µS	500 ml		
CL03.1145.0500	Potassium chloride solution 200.000 µS	500 ml		
CL03.1146.0500	Potassium chloride solution 300.000 µS	500 ml		
CL03.1147.0500	Hydrogen chloride solution 350.000 µS	500 ml		
CL03.1148.0500	Hydrogen chloride solution 450.000 µS	500 ml		
CL03.1149.0500	Hydrogen chloride solution 500.000 µS	500 ml		

Distributed by

We have the solutions!

Certificate of Analysis

All our products have a Certificate of Analyis, which can be downloaded from our website.

Uncertainty

The uncertainty for our Conductivity Standards ± 1%

Traceability

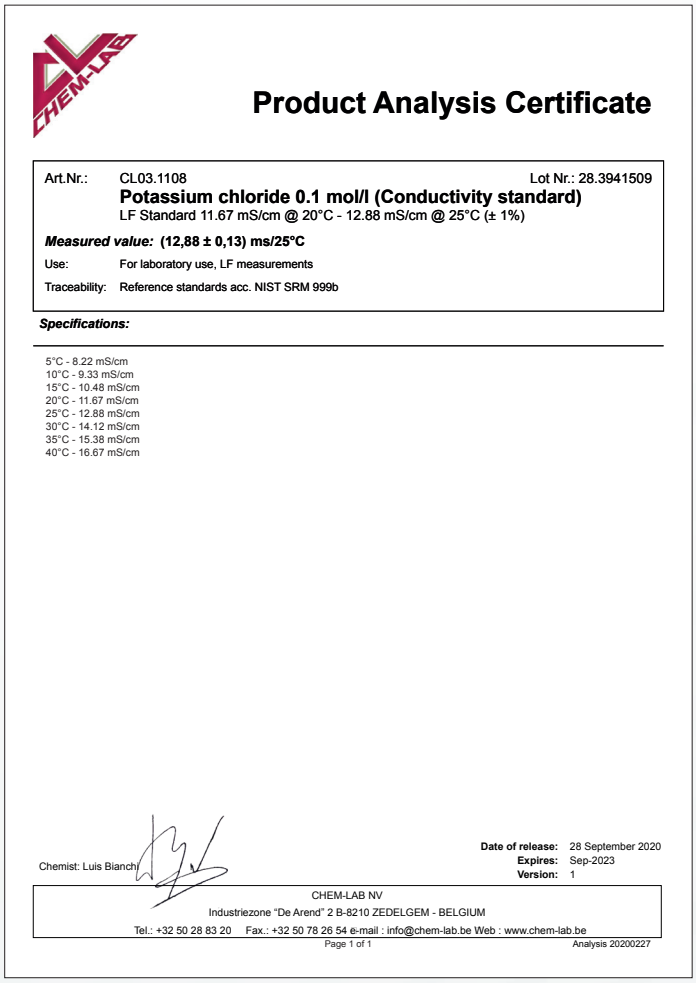
Our Conductivity Standards are traceable to NIST.

Temperature

Our CoA shows conductivity values between 5°C and 40 °C in intervals of 5°C where available.

Expiry date

Our Conductivity Standards have an expiry date of up to 3 years after production date.



Product Analysis Certificate

Art.Nr.: CL03.1108 Lot Nr.: 28.3941509

Potassium chloride 0.1 mol/l (Conductivity standard)

LF Standard 11.67 mS/cm @ 20°C - 12.88 mS/cm @ 25°C (± 1%)

Measured value: **(12,88 ± 0,13) ms/25°C**

Use: For laboratory use, LF measurements

Traceability: Reference standards acc. NIST SRM 999b

Specifications:

5°C - 8.22 mS/cm
10°C - 9.33 mS/cm
15°C - 10.48 mS/cm
20°C - 11.67 mS/cm
25°C - 12.88 mS/cm
30°C - 14.12 mS/cm
35°C - 15.38 mS/cm
40°C - 16.67 mS/cm

Chemist: Luis Bianchi

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Version: 1

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