

Conductivity Standard Quality Control Certificate

Mettler-Toledo, LLC

Address 1900 Polaris Parkway, Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537
Fax (614) 438-4900

www.mt.com

Nominal Specifications:

Conductivity Standard Solution:	12.88 mS/cm
Order Number:	63056132 (C1051)

Buffer Properties:

Actual Conductivity:	12.89 mS/cm (Uncertainty of $\pm 1\%$ at 25°C)
Lot Number Solution:	16E105004
Buffer Substance:	Sodium Chloride
Production Date:	May, 10, 2016
Expiry Date:	May, 10, 2018

Traceability:

For the calibration of the value of our buffer or electrolyte solutions, the potentiometric measuring instruments were calibrated using one or two different reference buffer or electrolyte solutions, based on primary reference materials of the NIST¹.

The National Metrology Institutes compare their measurement capabilities periodically in the key comparisons within the "Mutual Recognition Arrangement of National Measurement Standards and of Calibration Certificates issued by National Metrology Institutes (CIPM-MRA)". The international comparability, harmonization and the equivalence of their measurement capabilities are therefore ensured.

This guarantees a flawless traceability of the certified pH buffer values to NIST along with our Quality Management System. The certification is done for each lot.

Standards:

NIST Standard solution value:	6.67 mS/cm	24.82 mS/cm
NIST-traceable solid standard:	Potassium Chloride (99.998% assay)	
NIST SRM:	999	

¹ National Institute of Standards and Technology, Gaithersburg, USA

Date Certificate Issued:	May, 10, 2016
Quality Control (Print/Sign) Name	x Alicia Bourdeau/ 

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