Product Specification

Material	32095.410
Material description	Buffer solution pH 4
Grade	

Additional information

Characteristics	Specifications
pH (20°C) (tolerance ± 0.02)	3.98 --> 4.02
Measurement uncertainty	± 0.02 (k=2; 95 %)

Signature

This document has been produced electronically and is valid without a signature.

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ISO/IEC 17025
CALIBRATION ACCREDITATION
BELAC
NBN EN ISO/IEC 17025:2005
Nº: 542-CAL
VWR International BVBA
Quality Control Laboratory
Geldenaaksebaan 464
BE-3001 Leuven, Belgium
Coverage available on: www.belac.be

Additional information

pH-Method: pH value is analyzed with a glass electrode after 4-point calibration following the validated standard procedure of ISO/IEC 17025 accreditation. pH value with expanded measurement uncertainty of ± 0.02 pH using a coverage factor k=2 for a 95 % coverage probability.

Preparation: This reference material is prepared gravimetrically from potassium hydrogen phthalate and high purity water.

Accreditation: VWR International BVBA is accredited as calibration laboratory according to ISO/IEC 17025. The batch homogenity has been proven by analyzing minimum 6 samples distibuted over the entire production process. The expiry date is not part of the accreditation.

The pH of this buffer solution is traceable to and verified against primary Standard Reference Materials (SRM) from National Institute of Standards and Technology (NIST): SRM 188 and SRM 186 I + II g.

Store at +2°C to +25°C tightly closed in the original container.