

|                      |                                   |
|----------------------|-----------------------------------|
| Material             | 32044.290                         |
| Material description | Buffer solution pH 4 red coloured |
| Grade                |                                   |

## Additional information

### Characteristics

### Specifications

|                                   |                         |
|-----------------------------------|-------------------------|
| pH (20°C) (tolerance $\pm 0.02$ ) | 3.98 $\rightarrow$ 4.02 |
| Measurement uncertainty           | $\pm 0.02$ (k=2; 95 %)  |

### Signature

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**ISO/IEC 17025:2005**

Accréditation n°: 2-6081

VWR International S.A.S

Laboratoire de Contrôle Qualité

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### Additional information

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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  $\pm 0.02$  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 SAS is accredited as calibration laboratory according to ISO/IEC 17025. The batch homogeneity, the acceptance criteria and the expiry date are not part of accreditation. The shown results refer to the samples analyzed in the laboratory.

The pH of this buffer solution is traceable to and verified against the reference value of at least one primary Standard Reference Material (SRM) from National Institute of Standards and Technology (NIST).

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