

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Specialty Chemicals Seelze GmbH
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Brand: Honeywell Fluka
 Product: 33665
 Lot No: J1200
 Production date: 30.Apr.2019
 Expiry Date: 11.Oct.2022

Buffer solution pH 4,00, solution ready for use, red coloured

| Parameter | Specification | Units | Result | Units |
|------------|---------------|-------|--------|-------|
| pH (20 °C) | 3.98-4.02 | | 4.00 | |

Measured with a combined glass electrode. The calibrating of the pH value is carried out with standard buffer solutions (related to SRM by NIST) according to DIN 19266 at several reference points (according to DIN 19268).

Composition per litre:

11.76 g Citric acid-1-hydrate (C₆H₈O₇*H₂O)
 2.57 g Sodium chloride (NaCl)
 2.72 g Sodium hydroxide (NaOH)

Temperature-dependence of the pH values:

| | |
|-----------------|-----------------|
| pH 4.03 at 0°C | pH 4.00 at 50°C |
| pH 4.02 at 10°C | pH 4.00 at 60°C |
| pH 4.00 at 20°C | pH 4.00 at 70°C |
| pH 4.00 at 30°C | pH 4.00 at 80°C |
| pH 4.00 at 40°C | pH 4.00 at 90°C |

The checking of the chemicals and of the test equipment used is in accordance with DIN ISO 9001.

QC Release Date: 20.May.2019

The minimum shelf life is based on the current knowledge and holds only for proper storage conditions in the originally closed flasks/ packages.

We herewith confirm that the delivery is effected according to the technical delivery conditions agreed.

Particular properties of the products or the suitability for a particular area of application are not assured.

We guarantee a proper quality within our General Conditions of Sales.

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Quality Management

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