

Specification

Item number: 4281

Buffer solution pH 4.005 \pm 0.01 (25 °C)

ROTI®Calipure buffer solution, ready to use

CAS No.:

print date:

01.01.2025

formula:

density: 1,003

molecular weight:

Type analysis

pH-value (25 °C) 4,005 \pm 0,01

The buffer solution contains:

Potassium hydrogen phthalate

Temperature dependence of the pH-value:

Temperature(°C)	pH-value
5	4,004
10	4,001
15	4,001
20	4,003
25	4,008
30	4,015
37	4,028
40	4,036
45	4,049
50	4,064

The ready-to-use buffer solutions from ROTH were manufactured with extreme care from exceptionally pure buffer substances. This dispensed with the time-consuming processes of drying and weighing the reagents. By comparing the results to standard buffer solutions acc. to DIN 19266 the ready-to-use buffer solutions are adjusted to their respective pH values. These standard buffer solutions can be traced back to primary PTB and/or NIST reference materials. Precise compliance with the pH value enables the measuring equipment to be calibrated precisely and rapidly. These buffer solutions are stabilized against algae and bacterial action.

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

Dr. R. Niemand

Head of Quality Assurance

S. Lorse

Head of Quality Management

This document is computer printout and has therefore not been signed by hand.

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