

# Specification

Item number: 4284

Buffer solution pH  $6.865 \pm 0.01$  (25 °C)

**ROTI®Calipure buffer solution, ready to use**

CAS No.:

print date:

01.01.2024

formula:

density: ~1

molecular weight:

## Type analysis

**pH-value (25 °C)** 6,865 ±0,01

The buffer solution contains:

Potassium di-hydrogene phosphate/ Di-sodium hydrogene phosphate

Temperature dependence of the pH-value:

Temperature(°C)	pH-value
0	6,984
5	6,951
10	6,923
15	6,900
20	6,881
25	6,865
30	6,853
35	6,844
37	6,841
40	6,838
50	6,833

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. Lorsee**

Head of Quality Management

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

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Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Geschäftsführer: André Houdelet

