

# Specification

Item number: T181

Buffer solution pH 3.00 ±0.01 (20 °C)

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

CAS No.:

print date:

01.01.2024

formula:

density: ~1

molecular weight:

## Type analysis

**pH value (20 °C)**

3,00 ±0,01

The buffer solution contains:

Citric acid monohydrate / Sodium hydroxid solution / Sodium chloride

Temperature dependence of the pH-value:

| Temperature(°C) | pH-value |
|-----------------|----------|
| 0               | 3,05     |
| 5               | 3,05     |
| 10              | 3,03     |
| 15              | 3,01     |
| 20              | 3,00     |
| 25              | 3,00     |
| 30              | 3,00     |
| 35              | 3,00     |
| 40              | 2,98     |
| 50              | 2,98     |
| 60              | 2,97     |
| 70              | 2,97     |
| 80              | 2,97     |
| 90              | 2,96     |

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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