



Certificate of Analysis

Description : Borate-Buffer 0.4 N pH 10.2, 100 ml
Part.-No. : 5061-3339 Production date : 02-Feb 2022
Lot.-No. : BCCH2396 Expiration date : 02-Feb 2025

Raw materials

All raw materials used to prepare this Borate-Buffer are of the highest available purity and are routinely analyzed according to the specified purity-determinations.

Manufacturing

We employ precise measuring techniques in manufacturing. Mass is determined with electronic balances capable of weighing to 0.01 g and calibrated by the Swiss Office of Weights and Measures. Volume is determined in dedicated high-purity borosilicate flasks capable of measuring with an accuracy of 0.02%.

Packaging and Storage

The final solution was handled under argon and filled into 100 ml bottles. The finished bottles are stored at 2 – 8 °C.

Stability

Every individual lot of the product is subjected to reanalysis. The experience shows that the product is stable, if stored at 2 – 8 °C.

Analytical Quality Control

The scope of the analytical testing procedures covers identity, purity, homogeneity, accuracy and pH.

| Description | Lot Analysis | Specifications |
|----------------------------|-------------------------|-------------------------|
| Aspect | clear, colorless liquid | clear, colorless liquid |
| Density (20/4) | 1.008 | 1.01 ± 0.01 g/ml |
| Index of Refraction (20/D) | 1.335 | 1.335 ± 0.005 |
| Identity | corresponds | corresponds |
| Concentration Accuracy | corresponds | ± 5 % |
| pH | 10.1 | 10.2 ± 0.2 |