



Certificate of Analysis

Description : Borate-Buffer 0.4 N pH 10.2, 100 ml
 Part.-No. : 5061-3339
 Lot.-No. : BCBG3091 (99419) Production date : 05-Aug 2011
 Expiration date : 05-Aug 2014

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 4 °C.

Stability

Every individual lot of the product is subjected to reanalysis. The experience shows that the product is stable, if stored at 4 °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	10.2	10.2 ± 0.2

Buchs, 05.08.2011

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