Agilent Technologies SIGMA-ALDRICH®

Certificate of Analysis

Description : OPA-Reagent, 10 mg/ml, 6 ampoules

Part.-No. : 5061-3335 Production date : 25-Jan 2016
Lot-No. : BCBR5020V (99417) Expiration date : 25-Jan 2017

Raw materials
All raw materials used to prepare this OPA-Reagent 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 0.0001 g and calibrated by the Swiss Office of Weights and Measures. Volume ist determined in dedicated high-purity borosilicate volumetric flasks capable of measuring with an accuracy of 0.3%.

Packaging and Storage
The final solution was handled under argon and automatically sealed in 1 ml amber ampoules. Finished ampoules are packaged and stored at 4 °C.

Stability
Every individual lot of the product is subjected to reanalysis and the experience allows to set the shelf life to one year, if the product is stored as received at 4 °C. The guaranteed stability is not applicable to ampoules stored after opening, even if resealed.

Analytical Quality Control
The scope of the analytical testing procedures covers identity, purity, homogeneity, accuracy, function test in amino acid analysis and stability of the finished product

Description	Lot Analysis	Specifications
Aspect	clear, almost colorless liquid	clear, yellowish liquid
Density (20/4)	1.044	1.04 ± 0.01 g/ml
Index Of Refraction (20/D)	1.348	1.348 ± 0.005
Amino Acid Analysis :	corresponds	standard and blank correspond
- Identity	corresponds	corresponds
- Purity	corresponds	corresponds
- Concentration Accuracy	corresponds	± 5 %
Luminescence Test	corresponds	corresponds

Buchs, 25.01.2016

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