



## Certificate of Analysis

### Cation Solution for HPCE

Part No.: 5064-8205

Lot No.: HC362003

#### Specification and Analysis:

Parameter	Specification	Lot analysis
Ammonium (NH <sub>4</sub> ) <sup>1)</sup>	90 -110 mg/l	(100 ± 3) mg/l
Calcium <sup>2)</sup>	90 -110 mg/l	(101 ± 2) mg/l
Potassium <sup>2)</sup>	90 -110 mg/l	(100 ± 2) mg/l
Magnesium <sup>2)</sup>	90 -110 mg/l	(102 ± 2) mg/l
Sodium <sup>2)</sup>	90 -110 mg/l	(100 ± 2) mg/l

1) measured using an ammonium test kit

2) measured by means of ICP-OES, traceable to NIST standard reference materials (NIST: National Institute of Standards and Technology, USA)

**Matrix:** Nitric acid 0.01 %

#### Raw Materials

All raw materials used to prepare this product are of the highest available purity and are routinely analysed according to the specific purity determinations.

#### Manufacturing

This product has been produced gravimetrically using ISO 9000 quality procedures from high purity salts. Balances used are calibrated regularly against PTB traceable weight sets. (PTB: Physikalisch Technische Bundesanstalt [Federal Physical-Technical Institute] – Braunschweig – Germany)

It is recommended to shake the solution thoroughly prior to use. Never pipet directly from the bottle. Prepare working solutions upon requirement by dilution with nitric acid 0.01%.

**Date of release:** 2013-01-24

**Expiry date:** 2016-01-31

Dipl.-Ing. Ayfer Yildirim  
(responsible laboratory manager quality control)