

Eluent Concentrate

for Ion Chromatography

Certificate

This certificate is designed in accordance with ISO Guide 31^[1]

Object of Certification: **Nitric acid / Dipicolinic acid concentrate, IC eluent concentrate (20x) for Metrosep C4**

Fluka Product Number: **61905**

Lot Number: **BCBR7997V**

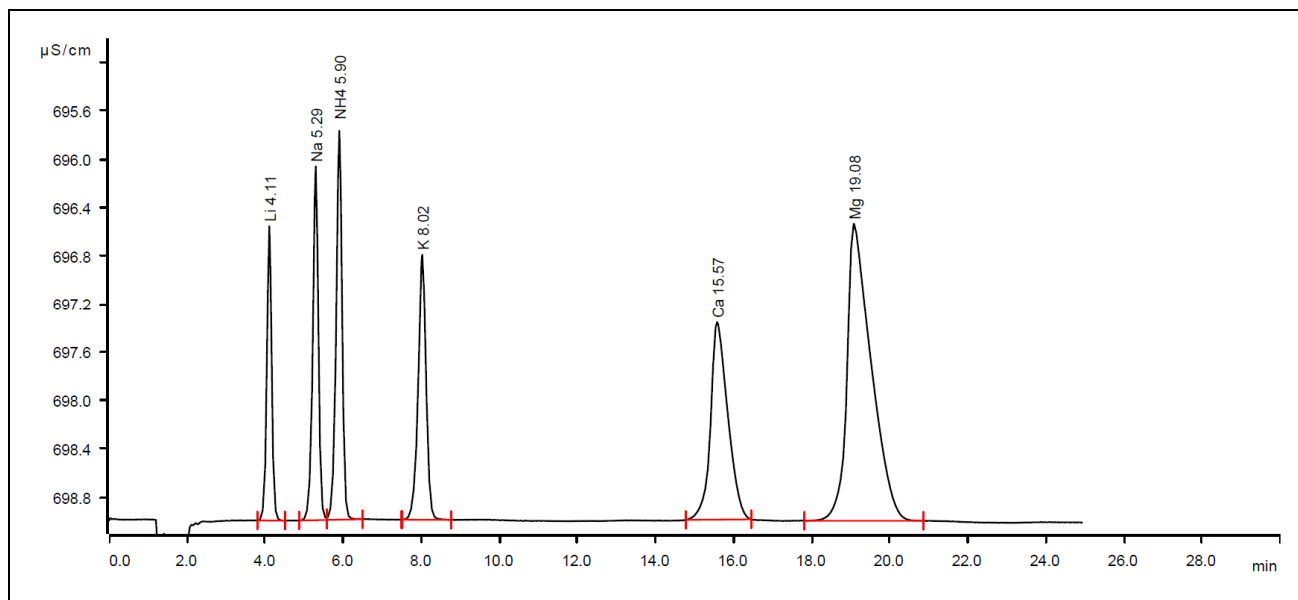
Composition: 34 mM nitric acid (puriss. p.a., >65%, Prod. No. 84380) and 14 mM 2,6-Pyridine-dicarboxylic acid / dipicolinic acid (99%, Prod. No. P63808) dissolved in high purity water (18.2 MΩ·cm, 0.2 μm filtered)

Intended Use: Concentrate for preparation of eluents for ion chromatography

Storing and Handling: This eluent concentrate solution shall be stored between 5 °C and 30 °C. In order to avoid evaporation the bottle should be tightly closed prior to use.

Expiration Date: **APR 2018** (unopened bottle)




Suitability Test (IC)



IC Conditions
 Column: Metrosep C4, 150/4.0
 Eluent: 1.7 mmol/L nitric acid / 0.7 mmol/L dipicolinic acid
 Flow: 0.90 mL/min
 Temperature: 25.0 °C
 Sample volume: 10 μL

Sample
 1 mg/L: Lithium
 5 mg/L: Sodium, Ammonium
 10 mg/L: Potassium, Calcium, Magnesium

| TEST | SPECIFICATION | RESULT |
|-----------------------|--------------------------|--------------------------|
| Appearance (color) | Colorless | Colorless |
| Appearance (form) | Liquid | Liquid |
| Density (20 °C) | 0.998 – 1.002 g/mL | 1.000 g/mL |
| pH (25 °C) | 1.4 – 1.6 | 1.5 |
| Conductivity (25 °C) | for information only | 14.30 mS/cm |
| Suitability Test (IC) | Conforms to requirements | Conforms to requirements |

| Certification body | Quality Release Date | Quality System |
|---|----------------------|--|
|  K. D. Schmidt, Ph.D. | 18 MAY 2016 |   SQS Reg. No. 16368-02 |

[1] ISO Guide 31, 2nd Ed. (2000), "Reference materials - Contents of certificates and labels"