

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 (10x) for Metrosep C 6**

Product Number: **19399**

Lot Number: **BCBR4230V**

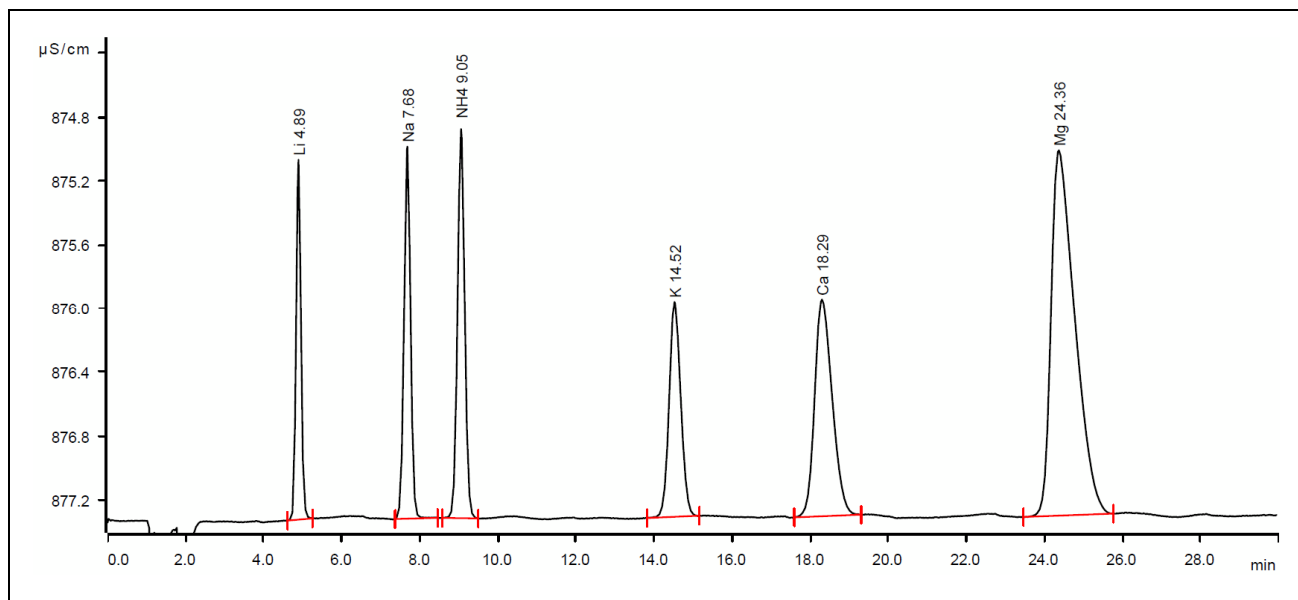
Composition: 17 mM nitric acid (puriss. p.a., >65%, Prod. No. 84380) and 17 mM 2,6-Pyridine-dicarboxylic acid / dipicolinic acid (99%, Prod. No. P63808) dissolved in high purity water (18.2 MΩ·cm, 0.2 μm filtered)

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: **FEB 2018** (unopened bottle)




Suitability Test (IC)



IC Conditions
 Column: Metrosep C 6, 150/4.0
 Eluent: 1.7 mmol/L nitric acid / 1.7 mmol/L dipicolinic acid
 Flow: 0.90 mL/min
 Temperature: 30.0 °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)	1.6 – 1.8	1.7
Conductivity (25 °C)	for information only	8.2 mS/cm
Suitability Test (IC)	Conforms to requirements	Conforms to requirements

Certification body	Quality Release Date	Quality System
 K. D. Schmidt, Ph.D.	17 MAR 2016	  SQS Reg. No. 16368-02

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