

# Eluent Concentrate

for Ion Chromatography

# Certificate

This certificate is designed in accordance with ISO Guide 31<sup>[1]</sup>

Object of Certification: **Sodium bicarbonate / Sodium carbonate concentrate, IC eluent concentrate (20x) for Metrosep A Supp 4**

Fluka Product Number: **69523**

Lot Number: **BCBQ1179V**

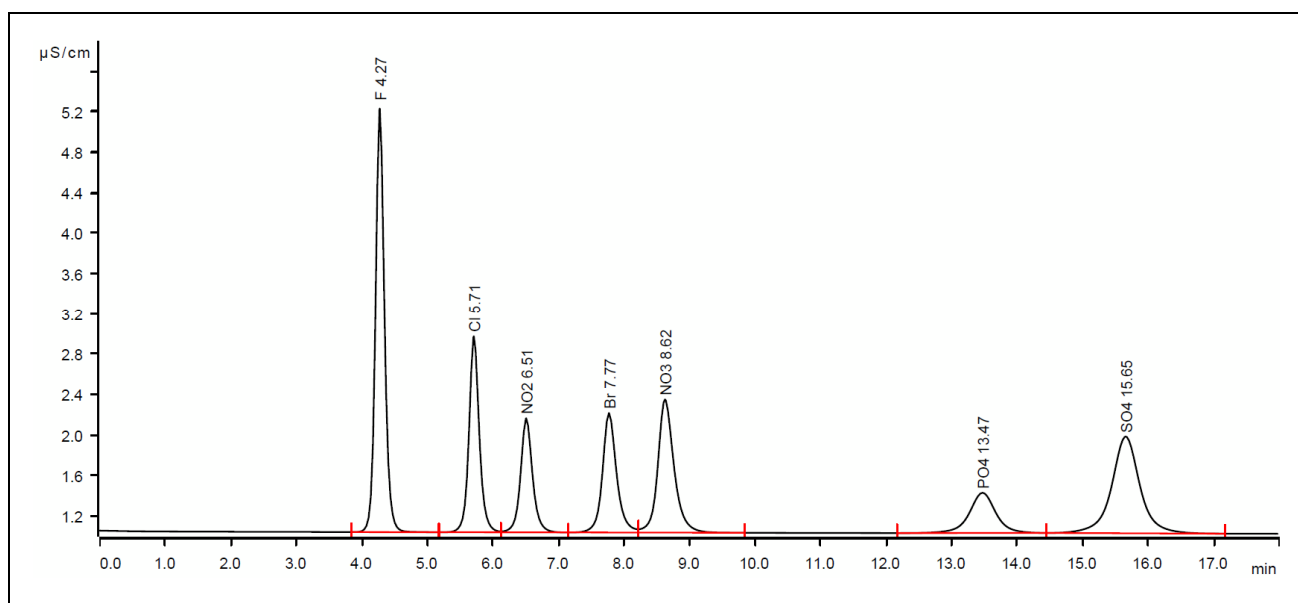
Composition: 36 mM sodium carbonate (puriss. p.a., ACS reagent, >99.8%, anhydrous, Prod. No. 31432) and 34 mM sodium bicarbonate (puriss. p.a., ACS reagent, >99.7% Prod. No. 31437) dissolved in high purity water (18.2 MΩ·cm, 0.2 μm filtered)

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. To avoid CO<sub>2</sub> uptake the bottle should be equipped with a CO<sub>2</sub> absorbent unit immediately after opening.

Expiration Date: **OCT 2017** (unopened bottle)




## Suitability Test (IC)



IC Conditions  
Column: Metrosep A Supp 4, 250/4.0  
Eluent: 1.8 mmol/L Na<sub>2</sub>CO<sub>3</sub> / 1.7 mmol/L NaHCO<sub>3</sub>  
Flow: 1.0 mL/min  
Temperature: 25.0 °C  
Sample volume: 10 μL

Sample  
5 mg/L: Fluoride, Chloride, Nitrite  
10 mg/L: Bromide, Nitrate, Phosphate, Sulfate

TEST	SPECIFICATION	RESULT
Appearance (color)	Colorless	Colorless
Appearance (form)	Liquid	Liquid
Density (20 °C)	1.002 – 1.006 g/mL	1.004 g/mL
pH (25 °C)	9.9 – 10.1	9.9
Conductivity (25 °C)	for information only	8.34 mS/cm
Suitability Test (IC)	Conforms to requirements	Conforms to requirements

Certification body	Quality Release Date	Quality System
 K. D. Schmidt, Ph.D.	11 NOV 2015	  SQS Reg. No. 16368-02

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