SIGMA-ALDRICH®

Eluent Concentrate

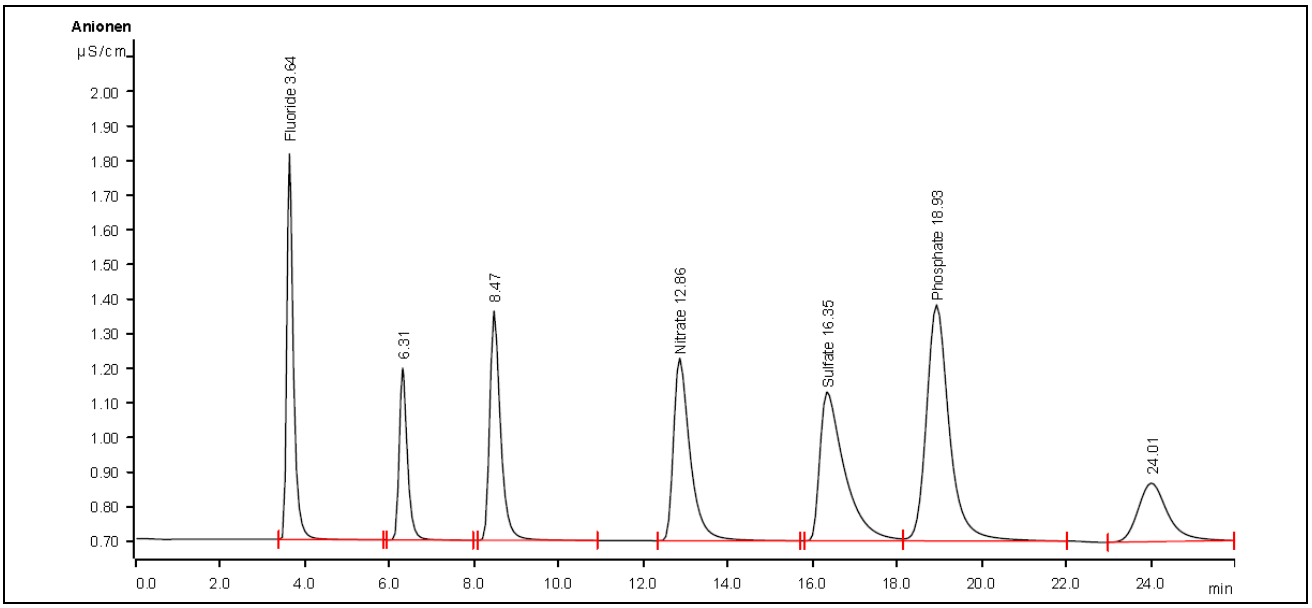
for Ion Chromatography

Certificate

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

Object of Certification:	**Sodium carbonate/Sodium hydroxide concentrate, IC eluent concentrate (20x) for Metrosep A Supp 16**
Product Number:	**38302**
Lot Number:	**BCCJ6429**
Composition:	150 mM sodium carbonate (puriss. p.a., ACS reagent, >99.8%, anhydrous, Prod. No. 31432) and 15 mM sodium hydroxide (puriss. p.a., ACS reagent, >98%, Prod. No. 71690) 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_2 uptake the bottle should be equipped with a CO_2 absorbent unit immediately after opening.
Expiry Date:	**NOV 2024** (unopened bottle)

Suitability Test (IC)

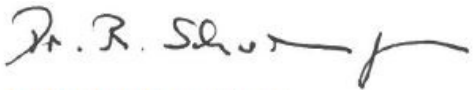


IC Conditions	Column:	Metrosep A Supp 16, 150/4.0
	Eluent:	7.5 mmol/L Na_2CO_3 / 0.75 mmol/L NaOH
	Flow:	0.80 mL/min
	Temperature:	45.0°C
	Sample volume:	10 µL
Sample	2 mg/L:	Chloride, Fluoride
	5 mg/L:	Nitrite
	10 mg/L:	Bromide, Nitrate, Phosphate, Sulfate

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TEST	SPECIFICATION	RESULT
Appearance (color)	Colorless	Colorless
Appearance (form)	Liquid	Liquid
Density (20°C)	1.013 – 1.017 g/mL	1.015 g/mL
pH (25°C)	11.8 – 12.2	12.0
Conductivity (25°C)	for information only	21.70 mS/cm
Suitability Test (IC)	Conforms to requirements	Conforms to requirements

Approving Officer	Quality Release Date	Quality System
Dr. Reinhold Schwenninger 	03 FEB 2023	DQS Reg. No. 005356 QM08

[1] ISO Guide 31:2015, “Reference materials - Contents of certificates, labels and accompanying documentation”

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