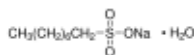


Certificate of Analysis

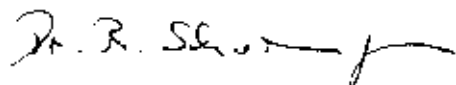
Product Name:

Sodium 1-octanesulfonate monohydrate - suitable for ion pair chromatography, LiChropur™, ≥99.0% (T)

Product Number: 74882
Batch Number: BCCJ6880
Brand: SIAL
CAS Number: 207596-29-0
Formula: C₈H₁₇NaO₃S · H₂O
Formula Weight: 234,29 g/mol
Quality Release Date: 15 DEC 2022
Recommended Retest Date: MAY 2026



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Flakes	Flakes
Titration (Ion Exchange)	≥ 99.0 %	100.6 %
Suitability Test (HPLC)	Corresponds to Standard	Corresponds
RP Gradient Test Corresponds To Standard		
Water	6.5 - 8.5 %	7.9 %
Carbon Content		40.94 %
41.01 % (Theory)		
Hydrogen Content		8.28 %
8.17 % (Theory)		
Infrared Spectrum	Conforms to Structure	Conforms
UV Absorbance 210nm	≤ 0.10	0.08
UV Absorbance 220nm	≤ 0.06	0.02
UV Absorbance 230nm	≤ 0.04	0.01
UV Absorbance 260nm	≤ 0.02	0.01
UV Absorbance 500nm	≤ 0.02	< 0.01
Cyclic Voltammogram	Corresponds to Standard	Corresponds
Filtered	No Residue	No Residue
(Filter Test) 10% in Water		



Dr. Reinhold Schwenninger

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis

Product Number: 74882
Batch Number: BCCJ6880

Quality Assurance
Buchs, Switzerland CH

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