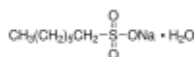


Certificate of Analysis

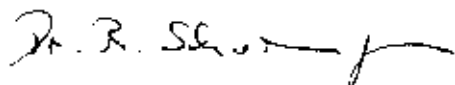
Product Name:

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

Product Number: 51832
Batch Number: BCCJ0237
 Brand: SIAL
 CAS Number: 207300-90-1
 Formula: C₇H₁₅NaO₃S · H₂O
 Formula Weight: 220,26 g/mol
 Quality Release Date: 25 AUG 2022
 Recommended Retest Date: JAN 2026



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Crystals or Flakes	Flakes
Titration (Ion Exchange)	≥ 99.0 %	100.3 %
Suitability Test (HPLC)	Corresponds to Standard	Corresponds
Water		7.8 %
8.18 % (Theory for Monohydrate)		
Carbon Content		38.16 %
38.17 % (Theory)		
Hydrogen Content		7.77 %
7.78 % (Theory)		
Infrared Spectrum	Conforms to Structure	Conforms
UV Absorbance 210nm	≤ 0.1	0.0
UV Absorbance 220nm	≤ 0.06	0.01
UV Absorbance 230nm	≤ 0.04	0.00
UV Absorbance 260nm	≤ 0.02	0.00
UV Absorbance 500nm	≤ 0.02	0.00
Cyclic Voltammogram	Corresponds to Standard	Corresponds
Filtered	No Residue	No Residue
(No Residue on Filter Test)		



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: 51832
Batch Number: BCCJ0237

Quality Assurance
Buchs, Switzerland CH

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