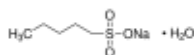


Certificate of Analysis

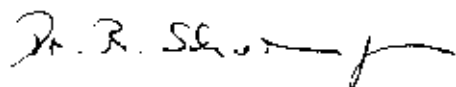
Product Name:

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

Product Number: 76952
Batch Number: BCCH1974
Brand: SIAL
CAS Number: 207605-40-1
Formula: C₅H₁₁NaO₃S · H₂O
Formula Weight: 192,21 g/mol
Quality Release Date: 01 MAR 2022
Recommended Retest Date: JUL 2025



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder or Crystals or Flakes	Flakes
Titration (Ion Exchange)	≥ 99.0 %	100.1 %
Suitability Test (HPLC)	Corresponds to Standard	Corresponds
Carbon Content		31.06 %
31.25 % (Theory)		
Hydrogen Content		6.92 %
6.82 % (Theory)		
UV Absorbance 210nm	≤ 0.100	0.014
UV Absorbance 220nm	≤ 0.060	0.008
UV Absorbance 230nm	≤ 0.040	0.006
UV Absorbance 260nm	≤ 0.020	0.005
UV Absorbance 500nm	≤ 0.020	< 0.005
Cyclic Voltammogram	Corresponds to Requirements	Corresponds
Filtered	No Residue	No Residue
(Filter Test) 3 g in 30 ml Water		



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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.

