

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-22 09:12:48  
Date of Next Testing: 2028-01-21 09:12:48  
Product Name: **Sodium 1-pentanesulfonate monohydrate**  
CAS Number: 207605-40-1  
Specifications & Purity: for ion pair chromatography,  $\geq 99.0\%$   
Lot #: A2416678  
SKU #: **S121251**  
Analysis: **312495**

Parameter	Limit Values	Result
UV Absorbance 220nm	0-0.06	0.03
Purity(HPLC)	99-100 (%)	99.96600 %
Hydrogen by Elemental Analysis	6.69-6.82 (%)	6.77 %
Carbon by Elemental Analysis	30.5-31.6 (%)	31.19 %
UV Absorbance 230nm	0-0.04	0.02
UV Absorbance 260nm	0-0.02	0.02
UV Absorbance 210nm	0-0.1	0.05
UV Absorbance 500nm	0-0.02	0.00
Appearance (S121251)	Colorless or White Powder or Crystals or Flakes	Colorless or White Powder or Crystals or Flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
RP gradient test	pass test	pass test



John Su  
QA & QC Manager