

## Certificate of Analysis

Date of Testing: 2024-04-12 11:18:05  
Date of Next Testing: 2028-04-11 11:18:05  
Product Name: **Sodium 1-pentanesulfonate**  
CAS Number: 22767-49-3  
Specifications & Purity: for ion chromatography,  $\geq 98.0\%$   
Lot #: D2402452  
SKU #: **S124053**  
Analysis: **336438**

Parameter	Limit Values	Result
UV Absorbance 220nm(10 % in H <sub>2</sub> O)	0-0.06	0.03
UV Absorbance 260nm(10 % in H <sub>2</sub> O)	0-0.02	0.01
UV Absorbance 500nm(10 % in H <sub>2</sub> O)	0-0.02	0.01
UV Absorbance 210nm(10 % in H <sub>2</sub> O)	0-0.1	0.09
Purity(Ion exchange titration)	98-102 (%)	99.92 %
UV Absorbance 230nm(10 % in H <sub>2</sub> O)	0-0.04	0.02
Appearance (S124053)	White powder to crystal	White powder to crystal
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager