

## Certificate of Analysis

Date of Testing: 2023-05-17 13:28:58  
Date of Next Testing: 2027-05-16 13:28:58  
Product Name: **Sodium 1-pentanesulfonate**  
CAS Number: 22767-49-3  
Specifications & Purity: for ion chromatography,  $\geq 98.0\%$   
Lot #: D2328055  
SKU #: **S124053**  
Analysis: **191165**

Parameter	Limit Values	Result
UV Absorbance 220nm(10 % in H <sub>2</sub> O)	0-0.06	0.00
UV Absorbance 260nm(10 % in H <sub>2</sub> O)	0-0.02	0.02
UV Absorbance 500nm(10 % in H <sub>2</sub> O)	0-0.02	0.00
UV Absorbance 210nm(10 % in H <sub>2</sub> O)	0-0.1	0.04
Purity(Ion exchange titration)	98-102 (%)	98.21 %
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
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager