

## Certificate of Analysis

Date of Testing: 2023-02-25 15:25:51  
Date of Next Testing: 2027-02-24 15:25:51  
Product Name: **Sodium 1-pentanesulfonate**  
CAS Number: 22767-49-3  
Specifications & Purity: 98%  
Lot #: B2321213  
SKU #: **S104953**  
**Analysis:** **151766**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	1.67 %
Purity(Ion exchange titration)	98-102 (%)	99.63 %
Appearance (S104953)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager