

Certificate of Analysis

Date of Testing: 2024-08-20 16:01:50
Date of Next Testing: 2028-08-19 16:01:50
Product Name: **Sodium ascorbate**
CAS Number: 134-03-2
Specifications & Purity: for cell culture , $\geq 99.0\%$
Lot #: H2412485
SKU #: **S105026**
Version: **1**
Analysis #: **061167**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	103-108 ($^{\circ}$)	105.00 $^{\circ}$
Purity(Iodometric Titration)	99-103 (%)	99.70%
Purity(HPLC)	98-100 (%)	99.00000%
Sodium(Na)	10.8-12.8 (%)	11.80%
Appearance (S105026)	White to Off-White Powder	White to Off-White Powder
Cell Culture Test	pass	Pass
Solubility,Colorless to faint yellow,clear(50 mg/mL, H ₂ O)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager