

## Certificate of Analysis

Date of Testing: 2023-07-04 16:05:18  
Date of Next Testing: 2027-07-03 16:05:18  
Product Name: **D-Saccharic acid 1,4-lactone monohydrate**  
CAS Number: 61278-30-6  
Specifications & Purity: 98%  
Lot #: F23271121  
SKU #: **S121083**  
**Analysis: 236327**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	8.94 %
Purity(HPLC)	98-100 (%)	99.31500 %
Carbon by Elemental Analysis(anhydrous)	36.6-38.4 (%)	37.60 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	33-36 (°)	33.10°
Appearance (S121083)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager