

Certificate of Analysis

Date of Testing: 2024-03-11 10:32:06
Date of Next Testing: 2028-03-10 10:32:06
Product Name: **D-Saccharic acid 1,4-lactone monohydrate**
CAS Number: 61278-30-6
Specifications & Purity: 98%
Lot #: B2429514
SKU #: **S121083**
Analysis: **319579**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	8.56 %
Purity(HPLC)	98-100 (%)	99.55900 %
Carbon by Elemental Analysis(anhydrous)	36.6-38.4 (%)	37.38 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	33-36 (°)	33.10°
Appearance (S121083)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , Colorless to Faint Yellow Clear ,50 mg/mL, H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager