

Certificate of Analysis

Date of Testing: 2022-07-14 17:06:49
Date of Next Testing: 2026-07-13 17:06:49
Product Name: **D-Lactic Acid**
CAS Number: 10326-41-7
Specifications & Purity: >90.0%(T)
Lot #: G2213383
SKU #: **S161106**
Analysis: 105298
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Neutralization titration)	90-110 (%)	90.40%
Specific Rotation $[\alpha]_{20/D}(c=2.5 \text{ in } 1.5\text{mol/L NaOH sol.})$	10-15 (°)	13.25°
Refractive index $n_{20/D}$	1.428-1.432	1.43
Appearance (S161106)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager