Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-15 13:27:32

Date of Next Testing: 2025-06-14 13:27:32

Product Name: D-α-Hydroxyglutaric acid disodium salt

CAS Number: 103404-90-6

 Specifications & Purity:
 ≥95%

 Lot #:
 I2109493

 SKU #
 \$137414

 Analysis:
 241568

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [a]20/D(c=1 in H2O)(anhydrous)	8-9 (°)	8.50°
Purity(Titration by HCIO4)(anhydrous)	94.5-105.5 (%)	96.55%
Water by Karl Fischer	0-4 (%)	2.15 %
Purity(HPLC)	95-100 (%)	96.81400%
Appearance (\$137414)	White to Off-White to yellow	white to off-white to yellow
	Powder	powder

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Solubility in H2O , Colorless to Faint Yellow Clear ,50 pass Pass

mg/mL, H2O

Proton NMR spectrum

John Su QA & QC Manager