

Certificate of Analysis

Date of Testing: 2023-10-30 15:22:20

Date of Next Testing: 2026-10-29 15:22:20

Product Name: **Calcium DL-malate hydrate**

CAS Number: 17482-42-7

Specifications & Purity: 98%

Lot #: J2326222

SKU #: **C305183**

Analysis: **278753**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Titration by EDTA) (Dry basis)	97.5-102.5 (%)	98.62000 %
Water by Karl Fischer	0-10 (%)	8.98 %
Calcium Content (dry basis)	22.36-24.22 (%)	24.01000 %
Appearance(C305183)	White to Off-White Solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager