

Certificate of Analysis

Date of Testing: 2025-01-07 18:02:43

Date of Next Testing: 2029-01-06 18:02:43

Product Name: **D-calcium pantothenate**

CAS Number: 137-08-6

Specifications & Purity: $\geq 98\%$

Lot #: A2506312

SKU #: **C110508**

Version: **0**

Analysis #: **091811**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)(calcd.on dried substance)	98-102 (%)	98.73 %
Loss on drying	0-5 (%)	1.27 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$ (after drying)	25-28.5 (°)	25.66 °
Appearance (C110508)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager