

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-05 10:17:38  
 Date of Next Testing: 2028-09-04 10:17:38  
 Product Name: **D-calcium pantothenate**  
 CAS Number: 137-08-6  
 Specifications & Purity: 98%  
 Lot #: K2019160  
 SKU #: **C110508**  
 Version: **0**  
 Analysis #: **407149**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)(calcd.on dried substance)	98-102 (%)	100.40 %
Specific Rotation [α] <sub>20</sub> /D(c=5 in H <sub>2</sub> O)(after drying)	25-28.5 (°)	25.02 °
Loss on drying	0-5 (%)	3.40 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
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 <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager