

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-18 17:01:33
 Date of Next Testing: 2029-01-17 17:01:33
 Product Name: **D-pantethine anhydrous**
 CAS Number: 16816-67-4
 Specifications & Purity: analytical standard
 Lot #: A2515462
 SKU #: **D132510**
 Version: **1**
 Analysis #: **459070**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.70000 %
Specific rotation $[\alpha]_{20/D(c=3.75 \text{ in H}_2\text{O}, 25^\circ\text{C})$	14-18 (°)	14.30000 °
Water by Karl Fischer	0-3 (%)	2.40000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager