

Certificate of Analysis

Date of Testing: 2025-01-18 17:02:34

Date of Next Testing: 2029-01-17 17:02:34

Product Name: **D-pantethine anhydrous**

CAS Number: 16816-67-4

Specifications & Purity: analytical standard

Lot #: A2515460

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 (%)	2.40 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager