

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-05 10:51:21
 Date of Next Testing: 2026-12-04 10:51:21
 Product Name: **O-Phospho-L-threonine**
 CAS Number: 1114-81-4
 Specifications & Purity: $\geq 95\%$
 Lot #: K2324451
 SKU #: **L332880**
 Version: **1**
 Analysis #: **294035**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	99.17900 %
specific rotation $[\alpha]_{20/D}$ (9.00 - 11.00 mg/ml NH ₄ OH 1N)	-20.60~-18.60 (°)	-18.84000 °
Appearance(L332880)	white powder	White powder
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Phosphorus NMR spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager