

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-03 10:08:11  
Date of Next Testing: 2028-12-02 10:08:11  
Product Name: **TPPB**  
CAS Number: 497259-23-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: K2521174  
SKU #: **T303812**  
Version: **1**  
Analysis #: **615964**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.08000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
FNMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager