

## Certificate of Analysis

Date of Testing: 2024-06-20 13:50:36  
Date of Next Testing: 2027-06-20 13:50:36  
Product Name: **TPPB**  
CAS Number: 497259-23-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: H2111318  
SKU #: **T303812**  
Version: **1**  
Analysis #: **372960**  
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