

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-08 09:52:15  
Date of Next Testing: 2028-11-07 09:52:15  
Product Name: **Maltotetraose**  
CAS Number: 34612-38-9  
Specifications & Purity:  $\geq 97\%$   
Lot #: K2401475  
SKU #: **M121069**  
Version: **0**  
Analysis #: **420251**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.42600 %
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in H}_2\text{O})$	165-177 ( $^{\circ}$ )	165.65 $^{\circ}$
Appearance (M121069)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear(5% in H <sub>2</sub> O)	pass	Pass



John Su  
QA & QC Manager