

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-13 10:50:33  
Date of Next Testing: 2028-08-12 10:50:33  
Product Name: **Maltotetraose**  
CAS Number: 34612-38-9  
Specifications & Purity: 97%  
Lot #: H2407498  
SKU #: **M121069**  
Version: **0**  
Analysis #: **392267**  
Storage Temperature: Protected from light, Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.55500 %
Specific Rotation [a] <sub>D</sub> 20 (c=1 in H <sub>2</sub> O)	165-177 (°)	165.61 °
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