

## Certificate of Analysis

Date of Testing: 2022-08-11 14:37:03  
Date of Next Testing: 2026-08-10 14:37:03  
Product Name: **Maltotetraose**  
CAS Number: 34612-38-9  
Specifications & Purity: 97%  
Lot #: H2205466  
SKU #: **M121069**  
**Analysis:** **098535**  
Storage Temperature: Protected from light,Store at -20°C,Argon charged

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) | 165-177 (°)           | 165.01°               |
| Purity(HPLC)  | 97-100 (%)            | 99.38000%             |
| Appearance (M121069)  | white powder          | White powder          |
| Solubility,Colorless and clear(5% in H <sub>2</sub> O)          | pass                  | Pass                  |
| Infrared spectrum   | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum   | Conforms to Structure | Conforms to Structure |



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