

## Certificate of Analysis

Date of Testing: 2024-03-14 10:17:12  
Date of Next Testing: 2028-03-13 10:17:12  
Product Name: **Maltoheptaose**  
CAS Number: 34620-78-5  
Specifications & Purity: 80%  
Lot #: E2015095  
SKU #: **M121063**  
**Analysis:** **330557**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	80-100 (%)	99.60000 %
Maltohexaose	0-15 (%)	12.31 %
Water by Karl Fischer	0-10 (%)	8.90 %
Maltopentaose	0-5 (%)	3.90 %
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in H}_2\text{O})$	175-190 (°)	185.00 °
Appearance (M121063)	White to off-white powder, needles and/or Chunks	White to off-white powder, needles and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager