

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-02 14:38:01

Date of Next Testing: 2028-12-01 14:38:01

Product Name: **Maltopentaose**

CAS Number: 34620-76-3

Specifications & Purity: $\geq 95\%$

Lot #: K2426663

SKU #: **M121065**Version: **1**Analysis #: **430460**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.75300 %
Water by Karl Fischer	0-12 (%)	5.88760 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	170-182 ($^{\circ}$)	181.80000 $^{\circ}$
Appearance (M121065)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear(5% in H ₂ O)	pass	Pass

John Su
QA & QC Manager