

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-23 22:41:18

Date of Next Testing: 2027-02-22 22:41:18

Product Name: **Maltopentaose**

CAS Number: 34620-76-3

Specifications & Purity: $\geq 95\%$

Lot #: B2320048

SKU #: **M121065**Version: **1**Analysis #: **146478**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	2.63000 %
Purity(HPLC)	95-100 (%)	99.43400 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	170-182 ($^{\circ}$)	170.10000 $^{\circ}$
Solubility, Colorless and clear (5% in H ₂ O)	pass	Pass
Appearance (M121065)	white powder or crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager