

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-12 12:11:18

Date of Next Testing: 2026-08-11 12:11:18

Product Name: **Maltopentaose**

CAS Number: 34620-76-3

Specifications & Purity: $\geq 95\%$

Lot #: H2209595

SKU #: **M121065**Version: **1**Analysis #: **113374**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	6.33000 %
Purity(HPLC)	95-100 (%)	99.58100 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	170-182 ($^{\circ}$)	172.71300 $^{\circ}$
Appearance (M121065)	white powder	White powder
Solubility, Colorless and clear (5% in H ₂ O)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager