

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-26 14:20:30

Date of Next Testing: 2028-08-25 14:20:30

Product Name: **Maltopentaose**

CAS Number: 34620-76-3

Specifications & Purity:  $\geq 95\%$ 

Lot #: H2419482

SKU #: **M121065**

Version: **1**

Analysis #: **396215**

Storage Temperature: Store at  $-20^{\circ}\text{C}$ 

| Parameter                                                       | Limit Values             | Result                   |
|-----------------------------------------------------------------|--------------------------|--------------------------|
| Water by Karl Fischer                                           | 0-12 (%)                 | 8.18360 %                |
| Purity(HPLC)                                                    | 95-100 (%)               | 99.46600 %               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$ | 170-182 ( $^{\circ}$ )   | 177.08600 $^{\circ}$     |
| 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 <sub>2</sub> O)         | pass                     | Pass                     |



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QA & QC Manager