

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-04 13:50:18

Date of Next Testing: 2028-09-03 13:50:18

Product Name: **1-Kestose**

CAS Number: 470-69-9

Specifications & Purity:  $\geq 99\%$

Lot #: I2403426

SKU #: **K157729**

Version: **1**

Analysis #: **403931**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                       | Limit Values                             | Result                                   |
|-----------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC)                                                    | 99-100 (%)                               | 99.39300 %                               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$ | 27-32 (°)                                | 27.03000 °                               |
| Appearance (K157729)                                            | White to Light Yellow Powder or Crystals | White to Light Yellow Powder or Crystals |
| Proton NMR spectrum                                             | Conforms to Structure                    | Conforms to Structure                    |
| Solubility in H <sub>2</sub> O                                  | Almost transparency                      | almost transparency                      |



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QA & QC Manager