

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-02 11:38:18  
 Date of Next Testing: 2028-12-01 11:38:18  
 Product Name: **4-Aminophenyl  $\alpha$ -D-mannopyranoside**  
 CAS Number: 34213-86-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: K2427347  
 SKU #: **A120849**  
 Version: **1**  
 Analysis #: **345229**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                                 | Limit Values                       | Result                             |
|---------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Specific Rotation $[\alpha]_{20/D}$ (9.00 - 11.00 mg/ml in MeOH)          | 123-135 ( $^{\circ}$ )             | 130.00000 $^{\circ}$               |
| Purity (HPLC)                                                             | 98-100 (%)                         | 98.10000 %                         |
| Appearance (A120849)                                                      | White to yellow powder or crystals | White to yellow powder or crystals |
| Infrared spectrum                                                         | Conforms to Structure              | Conforms to Structure              |
| Solubility, Colorless to faint yellow, clear (50 mg/mL, H <sub>2</sub> O) | pass                               | Pass                               |
| Proton NMR spectrum                                                       | Conforms to structure              | Conforms to Structure              |



John Su  
QA & QC Manager