

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-10 09:44:36

Date of Next Testing: 2024-08-09 09:44:36

Product Name: **4-Nitrophenyl  $\beta$ -D-cellobioside**

CAS Number: 3482-57-3

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: I2025378

SKU #: **N130852**

Version: **0**

Analysis #: **123265**

Storage Temperature: Protected from light, Store at -20°C

| Parameter                                                | Limit Values                                  | Result                                        |
|----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(HPLC)                                             | 98-100 (%)                                    | 99.55200 %                                    |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$ | -84--80 (°)                                   | -82.30000 °                                   |
| Appearance (N130852)                                     | White to white with a dark yellow cast powder | White to white with a dark yellow cast powder |
| NMR Spectrum 1H (D2O)                                    | Consistent                                    | Consistent                                    |
| Solubility in H2O(Heat)                                  | pass                                          | Pass                                          |



John Su  
QA & QC Manager