

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-10-30 16:32:40

Date of Next Testing: 2027-10-29 16:32:40

Product Name: **4-Nitrophenyl N-acetyl- $\beta$ -D-galactosaminide**

CAS Number: 14948-96-0

Specifications & Purity:  $\geq 98\%$

Lot #: J2327689

SKU #: **N111844**

Version: **1**

Analysis #: **284877**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                        | Limit Values              | Result                    |
|------------------------------------------------------------------|---------------------------|---------------------------|
| free 4-nitrophenol                                               | 0-0.05 (%)                | 0.03000 %                 |
| Water by Karl Fischer                                            | 0-5 (%)                   | 2.10400 %                 |
| Purity(HPLC)                                                     | 98-100 (%)                | 99.77500 %                |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMSO})$         | 10-13 ( $^{\circ}$ )      | 10.01400 $^{\circ}$       |
| Appearance (N111844)                                             | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                              | Conforms to Structure     | Conforms to Structure     |
| Solubility in DMF , Transparent yellow-green solution , 50 mg/mL | pass                      | Pass                      |
| LC-MS for identification                                         | Conforms                  | Conforms                  |



John Su  
QA & QC Manager