

## Certificate of Analysis

Date of Testing: 2024-03-05 09:23:48

Date of Next Testing: 2028-03-04 09:23:48

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

CAS Number: 14948-96-0

Specifications & Purity: 98%

Lot #: B2428205

SKU #: **N111844**

**Analysis:** **321642**

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

| Parameter                                                        | Limit Values              | Result                    |
|------------------------------------------------------------------|---------------------------|---------------------------|
| free 4-nitrophenol                                               | 0-0.05 (%)                | 0.03 %                    |
| Water by Karl Fischer                                            | 0-5 (%)                   | 1.05 %                    |
| Purity(HPLC)                                                     | 98-100 (%)                | 99.66400 %                |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMSO})$         | 10-13 (°)                 | 12.95 °                   |
| 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                  |



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