

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-11 11:29:43

Date of Next Testing: 2028-03-10 11:29:43

Product Name: **Palatinose hydrate**

CAS Number: 343336-76-5

Specifications & Purity: Moligand™, ≥98%(HPLC)

Lot #: E2025150

SKU #: **P120973**

Version: **1**

Analysis #: **328536**

Storage Temperature: Room temperature

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Melting point                                                   | 118-127 (°C)          | 122.83000 °C          |
| Purity(HPLC)                                                    | 98-100 (%)            | 99.42000 %            |
| Specific Rotation [α] <sub>20/D</sub> (c=1 in H <sub>2</sub> O) | 97-101 (°)            | 97.21000 °            |
| Water by Karl Fischer                                           | 0-6 (%)               | 2.50000 %             |
| Appearance (P120973)                                            | white powder          | White powder          |
| Clear colorless solution(50mg/ml,water)                         | pass                  | Pass                  |
| NMR Spectrum 1H                                                 | Conforms to structure | Conforms to Structure |



John Su  
QA & QC Manager