

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-16 10:59:40

Date of Next Testing: 2026-10-15 10:59:40

Product Name:  **$\alpha$ -D-Galactose 1-phosphate dipotassium salt pentahydrate**

CAS Number: 19046-60-7

Specifications & Purity: 98%

Lot #: J2312307

SKU #: **S168211**

**Analysis:** **281232**

Storage Temperature: Store at 2-8°C, Protected from light

| Parameter                                                       | Limit Values                                    | Result                                          |
|-----------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Water by Karl Fischer                                           | 19.8-22.8 (%)                                   | 21.50 %                                         |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$ | 80-83 (°)                                       | 81.20 °                                         |
| Purity(HPLC area)                                               | 98-100 (%)                                      | 99.00 %                                         |
| Appearance(S168211)                                             | White to off-white powder or crystalline powder | White to Off-White Powder or Crystalline Powder |
| Proton NMR spectrum                                             | Conforms to Structure                           | Conforms to Structure                           |
| Colorless solution (5% in water)                                | Pass                                            | Pass                                            |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager