

Certificate of Analysis

Date of Testing: 2023-10-16 10:30:46

Date of Next Testing: 2026-10-15 10:30:46

Product Name: **α -D-Galactose 1-phosphate dipotassium salt pentahydrate**

CAS Number: 19046-60-7

Specifications & Purity: 98%

Lot #: J2312275

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



John Su
QA & QC Manager