

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-21 11:08:38
Date of Next Testing: 2027-09-20 11:08:38
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: 99%
Lot #: I2318050
SKU #: **R111688**
Analysis: **271594**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Water by Karl Fischer | 14-16 (%) | 14.19% |
| Melting point | 78-82 (°C) | 81.88000 °C |
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O) | 100-110 (°) | 100.20 ° |
| Purity(HPLC) | 99-100 (%) | 99.68300% |
| Appearance (R111688) | white powder | White powder |
| Solubility,50mg/ml water | Clear colorless | Clear Colorless |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager