

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-21 11:22:15
Date of Next Testing: 2027-09-20 11:22:15
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: 99%
Lot #: I2318055
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