

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-13 08:52:51  
Date of Next Testing: 2028-05-12 08:52:51  
Product Name: **D(+)-Raffinose pentahydrate**  
CAS Number: 17629-30-0  
Specifications & Purity: 99%  
Lot #: E2408388  
SKU #: **R111688**  
**Analysis:** **349149**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	14-16 (%)	14.85 %
Melting point	78-82 (°C)	80.78000 °C
Purity(HPLC)	99-100 (%)	99.71800 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	100-110 (°)	100.20 °
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