

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-28 12:09:08

Date of Next Testing: 2028-10-27 12:09:08

Product Name: **D(+)-Raffinose pentahydrate**

CAS Number: 17629-30-0

Specifications & Purity: $\geq 99\%$

Lot #: J2424780

SKU #: **R111688**

Version: **0**

Analysis #: **419089**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	14-16 (%)	14.10000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	100-110 (°)	101.10000 °
Melting point	78-82 (°C)	81.95000 °C
Purity(HPLC)	99-100 (%)	99.29700 %
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