

Certificate of Analysis

Date of Testing: 2025-05-15 08:35:46
Date of Next Testing: 2029-05-14 08:35:46
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: $\geq 99\%$
Lot #: D2530386
SKU #: **R111688**
Version: **0**
Analysis #: **488255**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [a] _D 20/D(c=10 in H ₂ O)	100-110 (°)	100.05 °
Melting point	78-82 (°C)	78.12000 °C
Purity(HPLC)	99-100 (%)	99.66100 %
Water by Karl Fischer	14-16 (%)	14.02 %
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