

Certificate of Analysis

Date of Testing: 2025-01-14 11:55:32
Date of Next Testing: 2029-01-13 11:55:32
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: $\geq 99\%$
Lot #: D2110074
SKU #: **R111688**
Version: **0**
Analysis #: **462481**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	14-16 (%)	14.17 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	100-110 (°)	100.52 °
Melting point	78-82 (°C)	78.89600 °C
Purity(HPLC)	99-100 (%)	99.12800 %
Appearance (R111688)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, 50mg/ml water	Clear colorless	Clear Colorless



John Su
QA & QC Manager