

Certificate of Analysis

Date of Testing: 2022-06-18 15:30:42
Date of Next Testing: 2026-06-17 15:30:42
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: 99%
Lot #: F2215214
SKU #: **R111688**
Analysis: **080887**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	14-16 (%)	15.53%
Melting point	78-82 (°C)	78.75000 °C
Purity(HPLC)	99-100 (%)	99.53900%
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	100-110 (°)	100.91°
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