

Certificate of Analysis

Date of Testing: 2023-01-09 13:49:47
Date of Next Testing: 2027-01-08 13:49:47
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: 99%
Lot #: A2305820
SKU #: **R111688**
Analysis: **133377**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	14-16 (%)	15.46 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	100-110 (°)	100.56 °
Melting point	78-82 (°C)	79.22000 °C
Purity(HPLC)	99-100 (%)	99.67600 %
Solubility,50mg/ml water	Clear colorless	Clear Colorless
Appearance (R111688)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager