

Certificate of Analysis

Date of Testing: 2024-05-11 16:41:14
Date of Next Testing: 2028-05-10 16:41:14
Product Name: **D(+)-Raffinose pentahydrate**
CAS Number: 17629-30-0
Specifications & Purity: 99%
Lot #: E2408377
SKU #: **R111688**
Analysis: **349149**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Water by Karl Fischer | 14-16 (%) | 14.85 % |
| Melting point | 78-82 (°C) | 80.78000 °C |
| Purity(HPLC) | 99-100 (%) | 99.71800 % |
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O) | 100-110 (°) | 100.20 ° |
| 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