

Certificate of Analysis

Date of Testing: 2023-08-17 13:55:35
Date of Next Testing: 2027-08-16 13:55:35
Product Name: **Stachyose Hydrate**
CAS Number: 54261-98-2
Specifications & Purity: 98%
Lot #: H2307602
SKU #: **S120981**
Analysis: **247866**

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Water by Karl Fischer | 0-13 (%) | 6.29% |
| Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$ | 131-135 (°) | 131.01° |
| Purity(HPLC) | 98-100 (%) | 98.22900% |
| Appearance (S120981) | white powder | White powder |
| Solubility in H ₂ O | Almost transparency | almost transparency |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager