

Certificate of Analysis

Date of Testing: 2024-03-15 15:11:51

Date of Next Testing: 2028-03-14 15:11:51

Product Name: **Isomaltose**

CAS Number: 499-40-1

Specifications & Purity: 98% (total of isomer)

Lot #: C2401120

SKU #: **I120961**

Analysis: **323274**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)(mixture of isomers)	98-100 (%)	98.90 %
Specific Rotation $[\alpha]_{20/D}(c=0.7 \text{ in H}_2\text{O})$	108-118 (°)	116.00 °
Carbon by Elemental Analysis	41.56-42.56 (%)	41.83 %
Solubility in H ₂ O	Almost transparency	almost transparency
Appearance (I120961)	White to Yellow Powder	White to Almost white to yellow powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H (D ₂ O)	Consistent	Consistent



John Su
QA & QC Manager