

Certificate of Analysis

Date of Testing: 2023-10-07 15:49:55

Date of Next Testing: 2027-10-06 15:49:55

Product Name: **Isomaltose**

CAS Number: 499-40-1

Specifications & Purity: 98% (total of isomer)

Lot #: I2321670

SKU # **I120961**

Analysis: **276709**

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

Parameter	Limit Values	Result
Purity(HPLC)(mixture of isomers)	97-100 (%)	98.90 %
Specific Rotation [α] ₂₀ /D(c=0.7 in H ₂ O)	108-118 (°)	116.00 °
Carbon by Elemental Analysis	41.56-42.56 (%)	41.92 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (I120961)	White to Yellow Powder	White to Almost white to yellow powder to crystal
NMR Spectrum 1H (D ₂ O)	Consistent	Consistent
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager