

Certificate of Analysis

Date of Testing: 2023-01-09 15:59:36

Date of Next Testing: 2027-01-08 15:59:36

Product Name: **Isomaltose**

CAS Number: 499-40-1

Specifications & Purity: 98% (total of isomer)

Lot #: A2305400

SKU #: **I120961**

Analysis: **161904**

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

Parameter	Limit Values	Result
Purity(HPLC)(mixture of isomers)	97-100 (%)	99.90 %
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 (%)	41.85 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency
Appearance (I120961)	White to Yellow Powder	White to Yellow Powder
NMR Spectrum 1H (D ₂ O)	Consistent	Consistent



John Su
QA & QC Manager