



Certificate of Analysis

Product Name: Trehalose
Cat #: T-575
CAS #: 6138-23-4
Lot #: Lot Specific
Retest Date[†]: Lot Specific
Storage: Store at room temperature.

Test	Specs	Results
Color	white to off-white	Complies
Form	crystalline powder	Complies
Turbidity (1% in water)	≤4.0 NTU	Complies
Water Content (K. Fischer) (theoretical for dihydrate: 9.52%)	8.5-10.5%	Complies
Purity (HPLC)	≥98.0 area-%	Complies
Specific Optical Rotation [alpha]D (c = 2 in water; 20°C)	177.0 to 181.0	Complies
Sulfated Ash	≤0.1%	Complies
FT-IR Spectrum	corresponds to reference spectrum	Complies

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† If provided, the Certificate of Analysis (COA) retest date corresponds to the recommended storage conditions provided on the COA. If no retest date is shown, the shelf-life for products is 2 years after purchase when stored according to COA recommendations. Retest dates are not rigid, and often only serve an informational purpose. COA retest dates are supplied by the manufacturer; however, GoldBio product labels may contain different storage recommendations to extend the life of the product beyond the manufacturer retest date or 2 years from purchase.

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