



Certificate of Analysis

Beta-Gentiobiose

Catalog Number: GB1004
Lot Number: 1005802
CAS Number: 554-91-6
Molecular Formula: C₁₂H₂₂O₁₁
Molecular Weight: 342.30
Storage: 15°C – 30°C
Date of Manufacture: September 2, 2018
Retest Date: September 1, 2019

Test	Specification	Result
Appearance	White to off-white crystalline powder	Conforms
Purity (HPLC)	≥ 98%	99.9%
Purity (β-anomer, H-NMR)	≥ 85%	> 85%
Identification (TLC)	To match reference	Conforms
Specific Rotation (c=2, H ₂ O)	+8.5° to +10.5°	+9.9°
Melting Point	180°C – 190°C	180°C – 183°C
Solubility (100mg/mL)	Clear, almost colorless	Dissolves clear
Moisture (KF)	≤ 0.5%	0.35%

Approved by:

Date: October 8, 2018

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojiraafc.com