



Specification

Beta-Gentiobiose

Catalog Number: GB1004
CAS Number: 554-91-6
Molecular Formula: C₁₂H₂₂O₁₁
Molecular Weight: 342.30
Storage: 15°C – 30°C
Retest Period: Two years from the manufacture

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

Approved:

Date: May 23, 2017

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager
Tel: 440-252-5397, Fax: 888-211-5523
docsupport@gojirafc.com