

## Certificate of Analysis

Date of Testing: 2023-04-26 11:58:25  
Date of Next Testing: 2027-04-25 11:58:25  
Product Name: **β-Gentiobiose**  
CAS Number: 554-91-6  
Specifications & Purity: 85%  
Lot #: D2319437  
SKU #: **G120980**  
**Analysis:** **217515**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)(Beta-anomer.The remainder is primarily alpha-an	85-100 (%)	89.41%
Specific Rotation [α] <sub>20</sub> /D(c=4 in H <sub>2</sub> O)	8.5-10.5 (°)	10.20°
Appearance (G120980)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Clear to Hazy Colorless to Faint Yellow,100 mg/ml	pass	Pass



John Su  
QA & QC Manager