

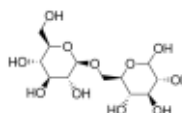
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## Product Specification

Product Name:  
β-Gentiobiose - ≥85% (remainder primarily α-anomer)

Product Number: **G3000**  
CAS Number: 554-91-6  
MDL: MFCD00198056  
Formula: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>  
Formula Weight: 342.30 g/mol



### TEST

### Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Light Yellow
Solubility (Turbidity)	Clear to Slightly Hazy
100 mg/ml, H <sub>2</sub> O	
Specific Rotation	8.5 - 10.5 °
(+ 8.5 to + 10.5)	
C = 2 in H <sub>2</sub> O at 20 deg C	
Purity (GC)	≥ 85 %
Beta-anomer. The remainder is primarily alpha-anomer.	
Recommended Retest Period	-----
4 years	

Specification: PRD.4.ZQ5.10000024057

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.