

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|----------------------|
| Date of Testing: | 2023-06-27 16:39:20 |
| Date of Next Testing: | 2027-06-26 16:39:20 |
| Product Name: | β-Gentiobiose |
| CAS Number: | 554-91-6 |
| Specifications & Purity: | 85% |
| Lot #: | F23131081 |
| SKU # | G120980 |
| Analysis: | 223685 |
| Storage Temperature: | Argon charged |

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| Purity(HPLC)(Beta-anomer.The remainder is primarily alpha-an | 85-100 (%) | 99.42 % |
| Specific Rotation [α] ₂₀ /D(C=2,H ₂ O,24h) | 8.5-10.5 (°) | 9.63600 ° |
| Appearance (G120980) | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Clear to Hazy Colorless to Faint Yellow,100 mg/ml | pass | Pass |



John Su
QA & QC Manager