

Certificate of Analysis

Date of Testing: 2023-05-04 19:05:52
 Date of Next Testing: 2027-05-03 19:05:52
 Product Name: **β-Sitosterol**
 CAS Number: 83-46-5
 Specifications & Purity: >75.0%
 Lot #: D2328011
 SKU #: **S111182**
Analysis: **162194**
 Storage Temperature: Store at -20°C, Argon charged

| Parameter | Limit Values | Result |
|---|---------------------------------------|--|
| brassicasterol | 0-15 (%) | 7.60 % |
| Ash | 0-0.1 (%) | 0.05 % |
| Loss on drying | 0-3.5 (%) | 2.40 % |
| stigmasterol | 0-5 (%) | 3.10 % |
| β-sitosterols(GC) | 75-90 (%) | 80.49700 % |
| Specific Rotation [α] ₂₀ /D(c=2 in CHCL ₃) | -34--24 (°) | -24.02 ° |
| total sterols (HPLC) | 95-100 (%) | 95.15 % |
| Appearance (S111182) | White to Faintly Beige Power or Lumps | White to Faintly Beige Powder or Lumps |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager