

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-22 09:26:34  
 Date of Next Testing: 2030-04-21 09:26:34  
 Product Name:  **$\beta$ -Sitosterol**  
 CAS Number: 83-46-5  
 Specifications & Purity:  $\geq 75\%$   
 Lot #: D2617500  
 SKU #: **S111182**  
 Version: **2**  
 Analysis #: **685929**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                  | Limit Values                          | Result                                 |
|------------------------------------------------------------|---------------------------------------|----------------------------------------|
| Ash                                                        | 0-1 (%)                               | 0.00000 %                              |
| Specific Rotation $[\alpha]_{20}^D(c=2 \text{ in CHCL}_3)$ | -34--24 ( $^{\circ}$ )                | -27.76800 $^{\circ}$                   |
| Loss on drying                                             | 0-3.5 (%)                             | 0.41952 %                              |
| $\beta$ -sitosterols(GC)                                   | 75-90 (%)                             | 78.82000 %                             |
| total sterols (HPLC)                                       | 95-100 (%)                            | 99.85000 %                             |
| brassicasterol                                             | 0-15 (%)                              | 0.35000 %                              |
| stigmasterol                                               | 0-5 (%)                               | 0.51000 %                              |
| 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