

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-07 15:53:35  
 Date of Next Testing: 2026-06-06 15:53:35  
 Product Name: **Hydrocortisone 17-Butyrate**  
 CAS Number: 13609-67-1  
 Specifications & Purity:  $\geq 98\%$ (HPLC)  
 Lot #: F2202233  
 SKU #: **H157369**  
 Version: **0**  
 Analysis #: **082544**  
 Storage Temperature: Room temperature

| Parameter                                                                   | Limit Values                                  | Result                                        |
|-----------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Melting point                                                               | 210-214 (°C)                                  | 210.95000 °C                                  |
| Purity(HPLC)                                                                | 98-100 (%)                                    | 99.75200 %                                    |
| Specific Rotation $[\alpha]_{20/D}(c=0.1 \text{ in CHCL}_3)$<br>(Anhydrous) | 48-52 (°)                                     | 49.53800 °                                    |
| Loss on drying                                                              | 0-1 (%)                                       | 0.13480 %                                     |
| Appearance (H157369)                                                        | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                                                         | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager