

## PRODUCT IDENTITY

|                 |               |                |                                                 |
|-----------------|---------------|----------------|-------------------------------------------------|
| PRODUCT NAME    | Dexamethasone | PRODUCT NUMBER | D137736                                         |
| Grades & Purity | ≥98%          | VERSION        | 3                                               |
| CAS NUMBER      | 50-02-2       | FORMULA        | C <sub>22</sub> H <sub>29</sub> FO <sub>5</sub> |
| FORMULA WEIGHT  | 392.46g/mol   |                |                                                 |

## ACCEPTANCE CRITERIA

| PARAMETER                                              | SPECIFICATION / LIMIT     |
|--------------------------------------------------------|---------------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=1 in Dioxane) | 72-80 (°)                 |
| Purity(HPLC)                                           | 98-100 (%)                |
| Appearance (D137736)                                   | White to Off-White Powder |
| Infrared spectrum                                      | Conforms to Structure     |
| Proton NMR spectrum                                    | Conforms to Structure     |
| Solubility in MeOH , Clear Colorless,25mg/ml           | pass                      |
| UV-vis spectrum E1%(240nm 1mg/100ml in EtOH)           | 380-410                   |