# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMD074020-01)

**Release Date:** 10/10/2025 **Re-test Date:** 09/10/2028

## **Dexamethasone USPRS**

### **Identification**

#### **Chemical Name:**

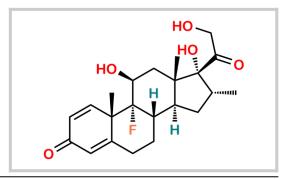
9-Fluoro-11 $\beta$ ,17,21-trihydroxy-16 $\alpha$ -methylpregna-1,4-diene-3,20-dione (as per EP & USP)

**CAT No.** : KMD074020

**CAS No.** : 50-02-2

Molecular Formula : C22H29FO5

**Molecular Weight** : 392.5



# **Analytical Information**

Batch No. : D074020-102-332 **Solubility** : Acetonitrile **Description** : White Solid Mass : Confirm **HPLC Purity** : 99.91 % IR : Confirm Weight Loss By TGA : 0.12 % 1H NMR : Confirm % Potency : 99.79 % **13C NMR** : Confirm

### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition**: Product is stable to be Shipped at Room Temperature

**% Potency =** [100 - 0.12(Weight Loss By TGA)] x [99.91(HPLC Purity)]/100 = 99.79 %

USP Catalog No & Lot No :-1176007 - R123C0

**Recommendation** : Released

|                        | Department      | Name              | Signature | Date       |
|------------------------|-----------------|-------------------|-----------|------------|
| Prepared By            | Analytical      | Bhargav Kathiriya |           | 10/10/2025 |
| Reviewed & Approved By | Quality Control | Viraj Akabri      |           | 10/10/2025 |

Attachments : COA, HPLC, MASS, 1HNMR, 13C NMR, IR and TGA