

CERTIFICATE OF ANALYSIS

(Certificate No. KMD074020-01)

Release Date: 10/10/2025

Re-test Date: 09/10/2028

Dexamethasone USPRS

Identification

Chemical Name :

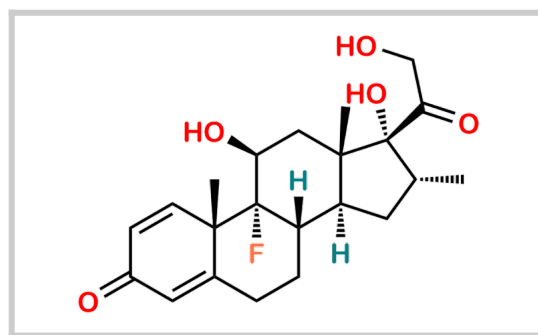
9-Fluoro-11 β ,17,21-trihydroxy-16 α -methylpregna-1,4-diene-3,20-dione (as per EP & USP)

CAT No. : KMD074020

CAS No. : 50-02-2

Molecular Formula : C₂₂H₂₉FO₅

Molecular Weight : 392.5



Analytical Information

Batch No. : D074020-102-332

Description : White Solid

HPLC Purity : 99.91 %

Weight Loss By TGA : 0.12 %

% Potency : 99.79 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

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, ¹H NMR, ¹³C NMR, IR and TGA