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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

Re-test Date: Jul 2027

Product Name: Dexamethasone EP Impurity A

Identification:

Chemical Name: 14-Fluoro-11 β ,17,21-trihydroxy-16 α -methylpregna-1,4-diene-3,20-dione (as per EP)

Synonyms : NA

CAS Number : NA

CAT Number : CP-D17001

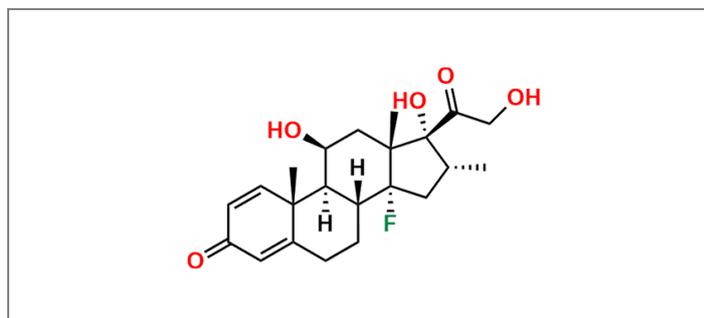
Molecular Formula : C₂₂H₂₉FO₅

Molecular Weight : 392.47

Batch Number : CP-DXM-A-0725

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.74%
5)	¹ HNMR	Confirm to structure
6)	¹³ CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	4.3988%
9)	Potency by TGA	94.40%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.