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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

Re-test Date: Jun 2028

Product Name: Budesonide EP Impurity F

Identification:

Chemical Name: $16\alpha,17$ -[1-Methylethylidenebis(oxy)]- $11\beta,21$ -dihydroxypregna- $1,4$ -diene- $3,20$ -dione (as per EP & USP)

Synonyms : Desonide (USP)

CAS Number : 638-94-8

CAT Number : CP-B19006

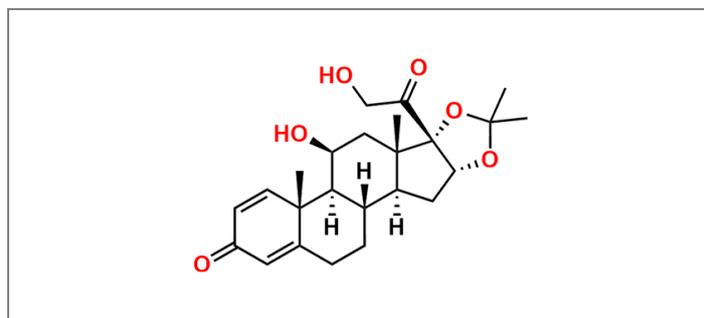
Molecular Formula : $C_{24}H_{32}O_6$

Molecular Weight : 416.51

Batch Number : CP-DES-IN-0725

Storage Condition : Tightly closed, Inert atmosphere at $-20^{\circ}C$

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



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.73%
5)	1H NMR	Confirm to structure
6)	^{13}C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.5088%
9)	Potency by TGA	99.22%



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.