Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
Navi Mumbai 410208, MH, INDIA. Email- info@chemicea.com Mob- +91 9284897978

CERTIFICATE OF ANALYSIS

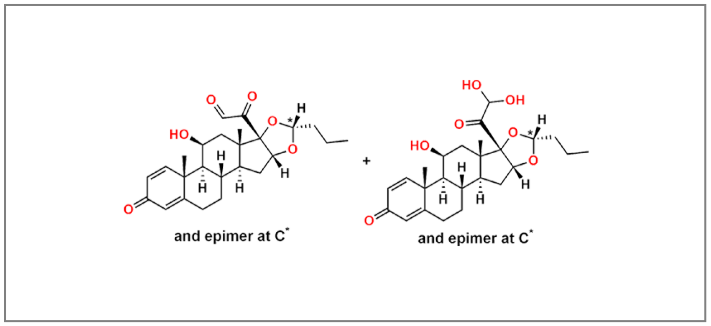
Analysis Date: Nov 2025 Re-test Date: Oct 2028

Product Name: Budesonide EP Impurity D

Identification:

Chemical Name: 16α,17-[(1RS)-Butylidenebis(oxy)]-11β-hydroxy-3,20-dioxopregna-1,4-dien-21-al (as per EP & USP)

Synonyms	:	21-dehydrobudesonide (USP) ; Budesonide Aldehyde Impurity ;Budesonide glyoxal (epimer A & B)
CAS Number	:	85234-63-5
CAT Number	:	CP-B19004
Molecular Formula	:	C25H32O6
Molecular Weight	:	428.52
Batch Number	:	CP-25-144-I
Storage Condition	:	Tightly closed, Inert atmosphere at 2 to 8° C
Shipping condition	:	All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to Structure By Mass
4)	Purity by HPLC	Peak 1-(RT-8.712)-58.80% Peak 2-(RT-9.524)-37.53% Total Purity-96.33%
5)	1HNMR	Confirm to Structure
6)	FT-IR	-
7)	Weight loss by TGA	2.449%
8)	Potency	93.97%

Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

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