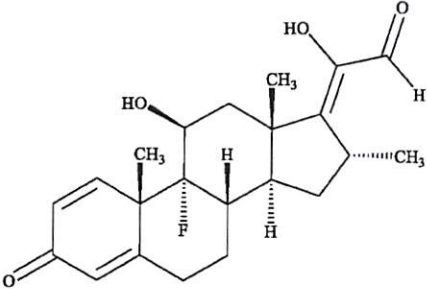


Certificate of Analysis



Certificate No.: 20241129016

Date: November 29, 2024

Retest date: November 28, 2025

Compound Name:	Dexamethasone Impurity 17	
Synonyms:	(Z)-2-((8S,9R,10S,11S,13S,14S,16R)-9-fluoro-11-hydroxy-10,13,16-trimethyl-3-oxo-3,6,7,8,9,10,11,12,13,14,15,16-dodecahydro-17H-cyclopenta[a]phenanthren-17-ylidene)-2-hydroxyacetaldehyde	
TLC Catalogue Number:	D-3616	
CAS Number:	1174035-75-6	
Molecular Weight:	374.45	
Molecular Formula:	C ₂₂ H ₂₇ FO ₄	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	C0113-012A2	
Storage Conditions:	Store at -20 °C	
Solubility:	Acetonitrile, DMSO	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	98.7%
Impurity (HPLC)	RT 2.29, 0.19%; RT 5.16, 0.52%; RT 10.45, 0.27%	
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	0.7% dichloromethane	
Assay (%)	Not less than 85.0%	97.9%
Recommendation:	Release. The compound is unstable and can easily deteriorate. It should be stored as the storage condition stated in COA, and to be used immediately upon received.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		12/03/2024
Approved by:	Quality Assurance		12/03/2024

Attachments: HPLC, IR, MS and NMR spectra.