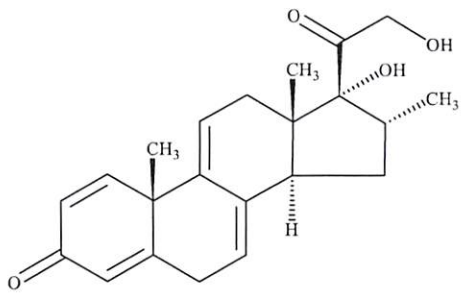


Certificate of Analysis



Certificate No.: 20260211003

Date: February 11, 2026

Retest date: February 10, 2029

Compound Name:	Dexamethasone EP Impurity K		
Synonyms:	(10S,13S,14S,16R,17R)-17-hydroxy-17-(2-hydroxyacetyl)-10,13,16-trimethyl-6,10,12,13,14,15,16,17-octahydro-3H-cyclopenta[<i>a</i>]phenanthren-3-one		
TLC Catalogue Number:	D-3615		
CAS Number:	1809224-82-5		
Alternate CAS Number:	N/A		
Molecular Weight:	354.45		
Molecular Formula:	C ₂₂ H ₂₆ O ₄		
Source:	TLC Pharmaceutical Standards		
Source Lot No.:	6046-091A4		
Storage Conditions:	Store at 2-8 °C		
Solubility:	Solution of Methanol and Acetonitrile, DMSO		

Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.5%
Impurity (HPLC)	RT 6.83, 0.26%; RT 10.48, 0.34%; RT 12.76, 0.60%	
Water Content (KF)	N/A	0.5%
Residual Solvents (NMR)	1.3% acetonitrile	
Assay (%)	Not less than 90.0%	96.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		02/11/2026
Approved by:	Quality Assurance		02/11/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.