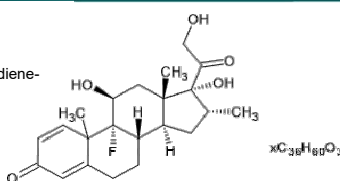


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6020	 <chem>C[C@]12CC[C@@H]3[C@H]([C@@H]1CC[C@@H]2O)C(=O)O</chem> $C_{22}H_{29}FO_5 \cdot xC_{36}H_{60}O_{30}$
Compound name	Dexamethasone (water-soluble)	
Chemical name	(11 β ,16 α)-9-Fluoro-11,17,21-trihydroxy-16-methyl-pregna-1,4-diene-3,20-dione	
Batch number	E1404-1-1	
Batch molecular formula	$C_{22}H_{29}FO_5 \cdot xC_{36}H_{60}O_{30}$	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity of free dexamethasone	Meets specification: 99.1%
NMR	1H NMR in DMSO at 400 MHz of free dexamethasone consistent with structure	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (120 mg/ml)	Meets specification

Produced by

Signature

Passed by

Signature

Date

13/12/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.