



Certificate of analysis

Product name: Estradiol Cypionate

Cas number: 313-06-4

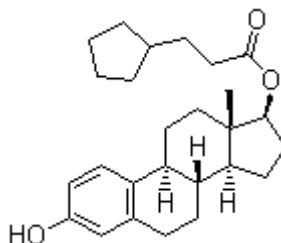
Molecular Formula: $C_{26}H_{36}O_3$

Molecular Weight: 396.57

Date of production: Mar. 10, 2019

Batch NO: 20190310

Exp Date: Mar. 09, 2021



Chemical structure:

Items	Specifications	Results
Appearance	White or off-white crystalline powder	White crystalline powder
Melting point	149~153°C	151~152°C
Specific optical rotation	+39° ~+44°	+41°
Identification	On the dried basis, the absorption coefficient deviation at 280nm should not be more than 3.0% by UV.	Conforms
	The infrared Spectrum of the test preparation should be consistent with reference standard	Conforms
Related Substances	Impurity A ≤ 0.5%	0.09%
	Impurity B ≤ 0.2%	0.10%
	Any other single impurity ≤ 0.1%	0.05%
	Total impurities ≤ 1.0%	0.19%
Loss on drying	≤ 1.0%	0.04%
Residue on ignition	≤ 0.2%	0.06%
Residual Solvents	Ethyl acetate ≤ 5000ppm	5.5ppm
	Methanol ≤ 3000ppm	55ppm
	Ethanol ≤ 5000ppm	230ppm
Assay	97%~103%(on the dried basis)	99.4%

Conclusion: It complies with the USP34 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F