



Certificate of analysis

Product name: Mestranol

Cas number: 72-33-3

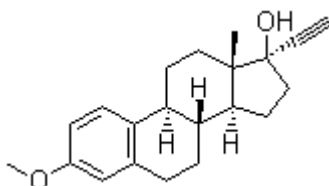
Molecular Formula: C₂₁H₂₆O₂

Molecular Weight: 310.44

Date of production: Apr. 23, 2018

Batch NO: 20180423

Exp Date: Apr. 22, 2020



Chemical structure:

Items	Specifications	Results
Appearance	White to creamy white, odorless, crystalline powder	White crystalline powder, odorless
Identification	A B C Items should comply with the standard	Conforms
Melting range	Between 146°C ~ 154°C, the range between beginning and end of melting does not exceed 4°C	151.0°C ~ 152.5°C 1.5°C
Specific optical rotation	+2° ~ +8°	+2.6°
Solubility	Conforms to standards	Conforms
Loss On Drying	≤ 1.0%	0.25%
Residual Solvents	acetone ≤ 0.5%	0.06%
Micronization	90% ≤ 30 microns	90% ≤ 30 microns
Assay (on the dried basis)	97.0% ~ 102.0%	99.02%

Conclusion: It complies with the USP31 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F

