

METAPHARMACEUTICAL

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0220325

17/03/2025

Hallochem Group

HALLOCHEM

Chongqing Waycome Pharmaceutical Co.,Ltd.

CERTIFICATE OF ANALYSIS

Product name	17-ALFA ESTRADIOL	Batch No.	AFE20241201
Manuf. Date	2024-12-18	Expiry Date	2027-12-17
Batch Quantity	15.5Kgs	Test Standard	Factory standard

TEST	SPECIFICATIONS	RESULTS
Description	A white or almost white powder	Conform
Appearance of solution	Clear and colorless	Complies
Solubility	Soluble in alcohol, acetone; slightly sol in ether chloroform; insol in water	Complies
Identification	A. IR	Complies
Specific rotation	+52° ~ + 60°	+52.2°
Melting point	217- 226°C	219.5-220.8°C
Water	≤1.0%	0.25%
Related substances	The sum of impurities ≤1.0% Single impurity ≤0.2%	0.23% 0.06%
Residual solvents	Ethyl acetate ≤5000ppm Ethyl alcohol ≤5000ppm	conforms conforms
Assay	99.0 %min	99.77%

Storage: Closed keep in cool,dry and dark place ;keep from heat and strong light

Conclusion: The product complies with the requirements of Factory standard

Quality Manager:

宋永军

Rechecker:

易洪成

Analyst:

刘媛

Add:No. 138 YuWu Road, XinMin Town, DianJiang 408302, chongqi



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