

Lot: 2060218

Hallochem Group

HALLOCHEM

Chongqing Waycome Pharmaceutical Co.,Ltd.

CERTIFICATE OF ANALYSIS

Product name	17-ALFA ESTRADIOL	Batch No.	20171201
Manuf. Date	2017-12-11	Expiry Date	2020-12-10
Batch Quantity	5Kgs	Test Standard	Factory standard

TEST	SPECIFICATIONS	RESULTS
Description	A white or almost white powder	white powder
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°	+56°
Melting point	217- 226°C	222-224°C
Water	≤3.5%	0.31%
Related substances	The sum of impurities ≤1.0% Single impurity ≤0.2%	0.19% 0.08%
Residual solvents	Ethyl acetate ≤5000ppm Toluene ≤890ppm	202ppm 82ppm
Assay	99.0 %min	99.82%

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:

朱永军

Rechecker:

易洪成

Analyst:

刘兵

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



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