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22/12/2022

Hallochem Group

HALLOCHEM

Chongqing Waycome Pharmaceutical Co.,Ltd.

CERTIFICATE OF ANALYSIS

Product name	17 ALPHA ESTRADIOL	Batch No.	APE20221002
Manuf. Date	2022-10-25	Expiry Date	2025-10-24
Batch Quantity	3.5Kgs	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°	+59.5°
Melting point	217- 226°C	223.1-224.4°C
Water	≤3.5%	1.18%
Related substances	The sum of impurities ≤1.0% Single impurity ≤0.2%	0.49% 0.04%
Residual solvents	Ethyl acetate ≤5000ppm Ethyl alcohol ≤5000ppm	Complies Complies
Assay	99.0 % min	99.60%

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:

宋家豪

Rechecker:

易洪成

Analyst:

刘小英

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



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