

CERTIFICATE OF ANALYSIS

Product name	17a -ESTRADIOL	Batch No.	20171104
Manuf. Date	2017-11-30	Expiry Date	2020-11-29
Batch Quantity	3Kgs	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℃	222-224℃
Water	≤3. 5%	0. 35%
Related substances	The sum of impurities ≤1. 0% Single impurity ≤0. 2%	0. 20% 0. 09%
Residual solvents	Ethyl acetate ≤5000ppm Toluene ≤890ppm	208ppm 81ppm
Assay	99. 0 %min	99. 80%

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:

Rechecker:

Analyst:

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