



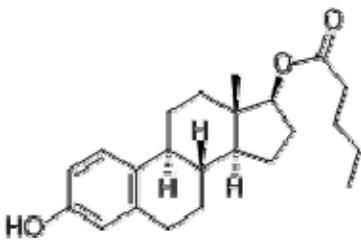
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: DYC031609263

Product name	estradiol valerate (EP7.0)
CAS Number	979-32-8
Molecule Structure	
Molecule Formula	C23H32O3
Batch number	20160616
Manufacture Date	2016-06-17
Testing date	2016-06-17

Items	Standard	Result
Description	White or almost white crystalline powder or colorless crystals	Conforms
Identification	IR	Conforms
Melting point	About 145°C	145.2°C ~ 149.9°C
Appearance of solution	Clear and colorless	Conforms
Solubility	Practically insoluble in water, soluble in alcohol.	Conforms
Specific optical rotation	+41° ~ +47°	+43.9°
Single impurity	≤ 0.5%	0.04%
Total impurity	≤ 1.0%	0.16%
Loss on drying	≤ 1.0%	0.10%
Micron	100% ≤ 20 μm	
Assay	97.0% ~ 103.0%	101.91%
Conclusion	The quality complies with standard EP7.0	

Hangzhou Dingyan Chem Co., Ltd.
Quality Control
QUALITY CONTROL:  CHECK: 姚仙娟 INSPECTOR: 刘清风

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