

杭州东瑞医药科技有限公司  
HANGZHOU DAWN RAY PHARMACEUTICAL CO.,LTD.

CERTIFICATE OF ANALYSIS

Estrone

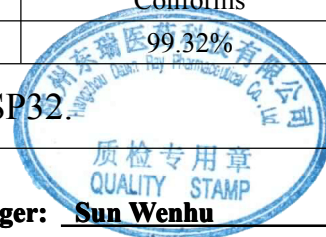
<b>Batch No.:</b> DR20130919	<b>Piece:</b> 10kg
<b>Manufacture Date:</b> 2013.09.19	<b>Expiry Date:</b> 2017.09.18

**TESTS:**

Items	Specification	Results
Characteristics	White or almost white crystalline powder	White
Identification	TLC UV spectrum IR spectrum	Positive
Clarity of solution	The solution is clear	Conforms
Specific rotation	+158~+165°	+161°
Loss on drying	≤0.5%	0.21%
Residue on ignition	≤0.5%	0.08%
Limit of equenin and equilin	Meet the requirments	Conforms
Ordinary impurities	Meet the requirments	Conforms
Residual solvents	Meet the requirments	Conforms
Assay	97.0~103.0%	99.32%

Conclusion: The results conform with the USP32.

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