

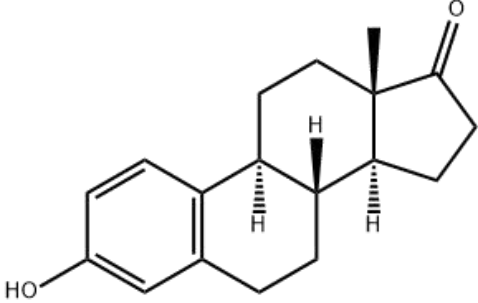


Wuhan HengHeDa Pharm Co., Ltd

Tel:86-27-84888681 Fax:86-27-84888682

Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	Estrone	
CAS NO	53-16-7	
Molecular formula	C ₁₈ H ₂₂ O ₂	
Molecular weight	270.37	
Quantity	25KG	
Batch NO	HHD20220627	
Production date	2022.06.27	
Expiry Date	2026.06.26	

Test based on enterprise standard

Test Item	Specification	Result
Appearance	Small, white crystals or white to creamy white, crystalline powder. Is odorless.	Conform
Identification	A: IR; B: UV	Conform
Loss on drying	≤0.50%	0.05%
Specific rotation	+158° ~+165°	+162.30°
Clarity of solution	Clarity	Conform
Residual on ignition	≤0.50%	0.03%
Ordinary impurities	≤2.0%	Conform
Limit of equilenin and equilin	Sample color shows no more red than reference color.	Conform
Assay	97.0-103.0%	99.02%

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	4 years when properly stored.

Conclusion: This product complies with above specification.

Inspector
Shen Wu

Director
King Yang

