

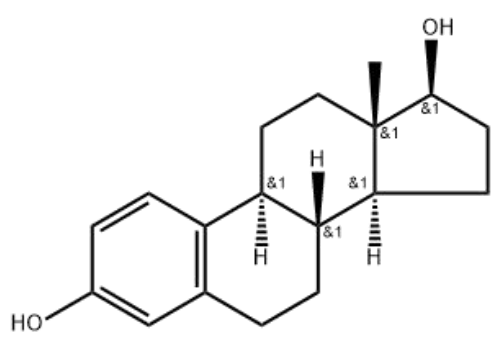


Wuhan HengHeDa Pharm Co., Ltd

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Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	β -Estradiol	
CAS NO	50-28-2	
Molecular formula	C18H24O2	
Molecular weight	272.39	
Quantity	120KG	
Batch NO	HHD20240627	
Production date	2024.06.27	
Expiry Date	2028.06.26	

Test based on enterprise standard

Test Item	Specification	Result
Appearance	White or creamy white powder	Conform
Identification	A: IR; B: UV	Conform
Melting range	173-179°C	177.8 -178.9°C
Specific rotation	+76° ~+83°	+77.34°
Related substance		
Any individual impurity	≤0.5%	0.25%
Total impurities	≤1.0%	0.34%
Water	≤3.5%	3.04%
Assay	97.0-103.0%	99.62%
Micron	100%≤20um	100%≤20um

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

