



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Progesterone

CAS: 57-83-0

Batch Number: FTF0260408 **Batch Quantity:** 1000kg

Manufacture Date: Apr.08th,2026 **Analysis Date:** Apr.10th,2026 **Certificate Date:** Apr.10th,2026

Storage Store in cool & dry place. Store in well-closed containers.

Shelf life 3 years when properly stored.

Test items	Specifications	Results
Assay (on the dried basis)	97.0%~103.0%	99.40%
Characters	White or creamy white crystalline powder	White crystalline powder
Identification		Micronized
Infrared absorption (197K)	The IR spectrum of sample,exhibits maxima only at the same wavelength as that a similar preparation of USP Progesterone RS	Complies
Ultraviolet absorption (197U)	The UV absorption spectra of the test solution and the standard solution exhibit maxima at the same wavelengths	Complies
Melting range(741)	Between 126°C and 131°C	129~131°C
Specific rotation(781S) (on the dried basis)	Between +175°C and +183°C	+179°C
Loss on drying (731)	0.5% Max	0.22%
Related Substances	Any impurity: 0.5% max	0.31%
	Total impurities: 0.8% max	0.50%
	Methanol: 500ppm max	Not detected
Residual solvents (467)	Ethanol: 2000ppm max	339ppm
	Toluene: 300ppm max	Not detected
	Cyclohexanone: 50ppm max	Not detected
Particle size	90% pass20μm	Complies

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 **INSPECTOR:** 黄子烨

