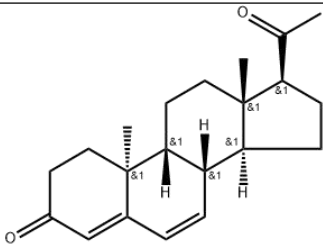




杭州海蓝化工有限公司
HANGZHOU HAILAN CHEMICAL CO.,LTD

CERTIFICATE OF ANALYSIS

COA No.:HL2024012031

Product Name	Dydrogesterone
CAS Registry number	152-62-5
Structure	
MF&MW	C ₂₁ H ₂₈ O ₂ & 312.45
Batch number	202405231
Date of manufacture	20260523

Index Name	Specifications	Results
Appearance	White to pale yellow,crystalline powder	Pale yellow crystalline powder
Identification	A:infrared spectroscopy B:Ultraviolet-visible spectroscopy	Complies Complies
Melting range	167.0~171.0℃	168~169.5℃
Specific rotation	-442~ -462°	-446°
Loss on drying	0.5%max	0.2%
Residue on ignition	0.1%max	0.04%
Total impurities	2.0%max	0.02%
Ethanol	5000ppm max	2028ppm
Isopropanol	5000ppm max	Not detected
Toluene	890ppm max	3ppm
Aerobic bacteris	1000cfu/g max	<10cfu/g
Mold and yeast	100cfu/g max	<10cfu/g
E.Coli	can not be detected	Not detected
Assay(dried substance)	98.0~102.0%	99.0%

Solubility	Sparingly soluble in alcohol;practically insoluble in water	
Conclusion	Conforms to standard USP-NF 2023	

HANGZHOU HAILAN CHEMICAL CO., LTD.
QUALITY CONTROL DEPARTMENT