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CERTIFICATE OF ANALYSIS

Product(品名): Pregnenolone **Batch No.(批号):** YXCTA210101W

Quantity(数量): 10kg **Specification(规定):** in house

Mfg. date(生产日期): 2021.01.26 **Retest date(复验期):** 2023.01.25

Item	Specifications	Results	Test method
Appearance	White crystalline micronized powder	Conforms	Visual
Identifiacation	1): Melting Point 185~194℃	188.5℃-191.5℃	USP
	2）: IR spectroscopy	Conform	USP
Assay	99.0%Min	99.6%	HPLC
Loss on drying	≤0.5%	0.05%	USP
Residue on ignition	≤0.5%	0.03%	USP
Related substances	Any impurity: 0.5%Max	0.12%	HPLC
	Total impurities: 1.0%Max	0.12%	
Residual solvent	Methanol ≤3000ppm	141ppm	GC
	Ethanol ≤5000ppm	Not detected	
	Dichloromethane≤600ppm	Not detected	
Specific optical rotation	+27.0°～+31.0°	+28.7°	USP
Heavy metal	<10ppm	Conforms	USP
Particle size	100% through 200 mesh 95%min through 300 mesh	Conforms	In-house
Bulk density	————————	0.25g/ml	In-house
Apparent density after	————————	0.50g/ml	In-house

Conclusion: Complies with the requirements of in-house

Report person: 2021.03.10 **QP:** 侯海波 2021.03.10