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**Certificate of Analysis**

No.:C01-2026029

<b>Product Name:</b>	Progesterone	<b>Batch No.:</b>	C01-260114
<b>Quantity:</b>	50kg	<b>Packaging:</b>	25kg/drum
<b>Manuf. Date:</b>	Jan. 23, 2026	<b>Sampling Date:</b>	Feb. 02, 2026
<b>Retest Date:</b>	Jan. 22, 2029	<b>Report Date:</b>	Feb. 05, 2026
<b>Standard:</b>	USP Progesterone Monograph		<b>*YAM SOURCED</b>
<b>Items</b>	<b>Specifications</b>	<b>Results</b>	
1.Characters	White or creamy white crystalline powder	White crystalline powder, Micronized	
2.Identification: A: Infrared absorption  B: Ultraviolet absorption	The IR spectrum of sample, exhibits maxima only at the same wavelength as that a similar preparation of USP Progesterone RS. The UV absorption spectra of the test solution and the standard solution exhibit maxima at the same wavelengths.	Complies  Complies	
3.Melting range :	126°C to 131°C	128~129.5°C	
4.Specific rotation :	+175° to +183°	+ 181°	
5.Loss on drying:	0.5% Max.	0.09%	
6.Related Substances:	Impurity B: 0.2% Max.	0.05%	
	Impurity C: 0.3% Max.	0.14%	
	Impurity D+E: 0.15% Max.	Not detected	
	Impurity G: 0.15% Max.	<0.05%	
	Impurity H: 0.15% Max.	<0.05%	
	Impurity I: 0.6% Max.	Not detected	
	Impurity J: 0.15% Max.	Not detected	
	Impurity K: 0.15% Max.	Not detected	
	Impurity L: 0.15% Max.	Not detected	
	Impurity M: 0.15% Max.	<0.05%	
	Any unspecified impurity: 0.10% Max.	Not detected	
Sum of impurities other than H: 1.0% Max.	0.2%		
7.Assay :	97.0% ~ 103.0%	100.3%	
8.Residual solvents :	Ethanol: 5000ppm Max. Methanol: 3000ppm Max. Toluene: 890ppm Max. Cyclohexanone: 50ppm Max.	136ppm Not detected Not detected Not detected	
*9.Particle size:	100% pass 20µm 90% pass 10µm	Complies	
<b>Conclusions:</b>	The product conforms to USP Progesterone Monograph requirements.		

Prepared by: 

Reviewed by: 

Approved by: 



# MASTERSIZER



## Result Analysis Report

**Sample Name:**  
Progesterone - Average

**Sample Source & type:**  
Progesterone

**Sample bulk lot ref:**  
C01-260114

**SOP Name:**  
Progesterone

**Measured by:**  
zhangyu

**Result Source:**  
Averaged

**Measured:**  
03 February 2026 14:07:04

**Analysed:**  
03 February 2026 14:07:05

**Particle Name:**  
Default

**Particle RI:**  
1.520

**Dispersant Name:**  
Water

**Accessory Name:**  
Hydro 2000MU (A)

**Absorption:**  
0.1

**Dispersant RI:**  
1.330

**Analysis model:**  
General purpose

**Size range:**  
0.020 to 2000.000 um

**Weighted Residual:**  
2.410 %

**Sensitivity:**  
Normal

**Obscuration:**  
15.01 %

**Result Emulation:**  
Off

**Concentration:**  
0.0057 %Vol

**Span :**  
1.745

**Uniformity:**  
0.524

**Result units:**  
Volume

**Specific Surface Area:**  
2.78 m<sup>2</sup>/g

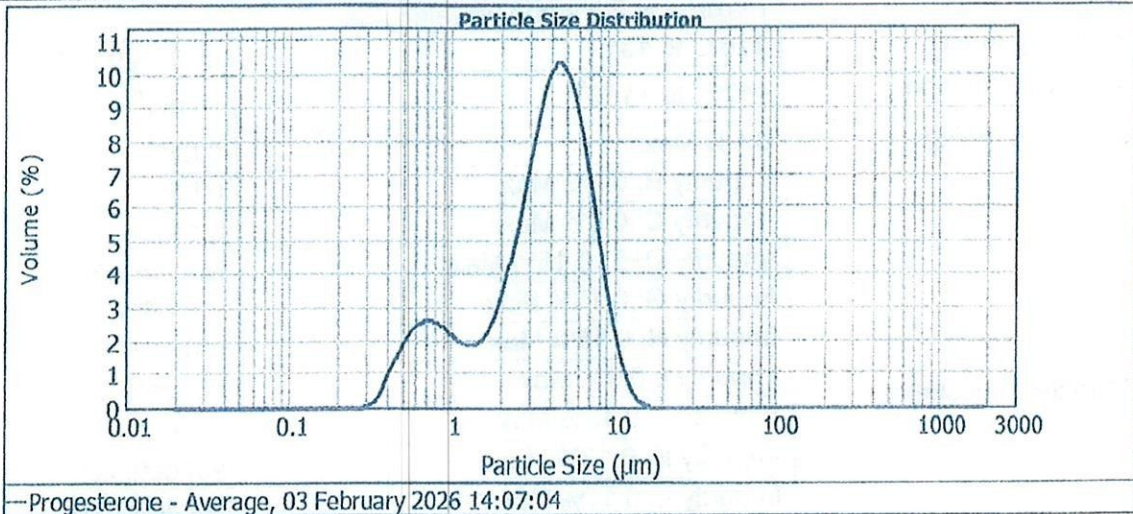
**Surface Weighted Mean D[3,2]:**  
2.157 um

**Vol. Weighted Mean D[4,3]:**  
4.083 um

d(0.1): 0.809 um

d(0.5): 3.826 um

d(0.9): 7.484 um



Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %
0.174	0.00	0.886	13.08	5.057	68.57	21.140	100.00	65.043	100.00	301.152	100.00
0.192	0.00	1.092	14.48	5.601	75.13	23.414	100.00	72.040	100.00	333.548	100.00
0.213	0.00	1.210	15.77	6.203	81.12	25.000	100.00	75.000	100.00	389.429	100.00
0.236	0.00	1.340	16.99	6.871	85.34	25.933	100.00	78.789	100.00	409.199	100.00
0.261	0.00	1.484	18.21	7.610	90.04	28.722	100.00	80.000	100.00	453.165	100.00
0.289	0.00	1.644	19.55	8.429	94.01	30.000	100.00	90.000	100.00	501.956	100.00
0.321	0.02	1.820	21.10	9.335	95.46	31.812	100.00	100.000	100.00	555.630	100.00
0.356	0.11	2.016	23.01	10.000	97.06	35.000	100.00	108.408	100.00	615.731	100.00
0.393	0.45	2.233	25.42	10.339	98.12	35.234	100.00	120.070	100.00	681.970	100.00
0.435	1.14	2.473	28.46	11.452	99.14	38.000	100.00	132.995	100.00	755.302	100.00
0.482	2.10	2.739	32.25	12.694	99.71	39.025	100.00	147.292	100.00	836.685	100.00
0.534	3.36	3.034	36.84	14.048	99.92	43.223	100.00	163.137	100.00	928.579	100.00
0.592	4.85	3.360	42.20	15.000	99.97	47.872	100.00	180.693	100.00	1026.254	100.00
0.655	6.47	3.722	48.27	15.559	99.99	48.000	100.00	200.123	100.00	1136.652	100.00
0.725	8.20	4.122	54.65	17.233	100.00	50.000	100.00	221.650	100.00	1250.925	100.00
0.804	9.91	4.566	61.72	19.067	100.00	53.022	100.00	245.494	100.00		
0.890	11.54	5.000	67.82	20.000	100.00	60.000	100.00	271.903	100.00		

Operator notes: Zhang Yu 2026.02.03  
 Zhang Yu 2026.02.03