

Typical Certificate of Analysis

Product: Progesterone Powder USP Grade
Description: White crystalline powder, micronized
Standard: USP

Physical & chemical analysis

Analysis	Specification	Typical Result
Characters	White or creamy white crystalline powder	White crystalline, micronized
Identification A (IR)	Matches USP Progesterone RS	Complies
Identification B (UV)	Matches standard	Complies
Melting range	126-131°C (258.8-267.8°F)	128.5-130°C (263.3-266°F)
Specific rotation	+175° to +183°	+182°
Loss on drying	0.5% max	0.10%
Impurity B	0.2% max	0.05%
Impurity C	0.3% max	0.20%
Impurity D+E	0.15% max	Not detected
Impurity G	0.15% max	0.06%
Impurity H	0.15% max	<0.05%
Impurity I	0.6% max	Not detected
Impurities J, K, L, M	0.15% max each	Not detected
Any unspecified impurity	0.10% max	Not detected
Sum of impurities other than H	1.0% max	0.31%
Assay	97.0% - 103.0%	99.6%
Particle size	90% pass 20 µm	Complies

Residual solvents

Analysis	Specification	Typical Result
Methanol	3000 ppm max	Not detected
Ethanol	5000 ppm max	204 ppm
Toluene	890 ppm max	Not detected
Cyclohexanone	50 ppm max	Not detected

Product conforms to the specifications listed above. Raw cosmetic ingredient, for external use only.

TYPICAL / representative analysis from a prior production lot. Not the lot in your bag.