

CERTIFICATE OF ANALYSIS

Estradiol Cypionate USP43

Batch Number	260501
Manufacture Date	May 10 2026
Retest Date	May 09 2030
Molecular Weight	396.56
CAS Number	313-06-4

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in alcohol, in acetone, in chloroform, and in dioxane; sparingly soluble in vegetable oils; insoluble in water.	Conforms
Identification	IR, UV	Positive
Melting range	149 ~ 153°C	151.8 ~ 152.7°C
Specific optical rotation	+39° ~ +44°	+39.2°
Loss on drying	≤ 1.0%	0.12%
Residue on ignition	≤ 0.2%	0.1%
Related substances - Estradiol	≤ 0.15%	ND
Related substances - Estradiol-9-ene cypionate	≤ 0.15%	0.036%
Related substances - 4-Meylestradiol cypionate	≤ 0.15%	ND
Related substances - Estradiol dicipionate	≤ 0.15%	ND
Related substances - Unspecified impurities	≤ 0.1%	Conforms
Residual solvents - Methanol	≤ 3000 ppm	86.15 ppm
Residual solvents - Ethyl acetate	≤ 5000 ppm	231 ppm
Residual solvents - Toluene	≤ 890 ppm	ND
Residual solvents - Ethanol	≤ 5000 ppm	82.3 ppm
Residual solvents - Heptane	≤ 5000 ppm	75.57 ppm
Particle size	90% ≤ 20 µm	90% ≤ 20 µm
Assay	97.0 ~ 103.0% of C ₂₆ H ₃₆ O ₃	99.76%

Conclusion

Material complies with USP43

Storage Conditions

Preserve in tight, light-resistant containers

Storage Disclaimer: Storage conditions are provided by the manufacturer and are intended to maximise product shelf life during long-term storage.

Certificate Disclaimer: This certificate is a reformatted interpretation of analytical results supplied on the original manufacturer's Certificate of Analysis. Results and specifications are based on information provided by the manufacturer.