



Certificate of analysis

Product name: Levonorgestrel

Cas number: 797-63-7

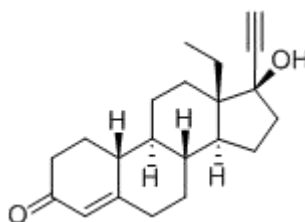
Molecular Formula: C₂₁H₂₈O₂

Molecular Weight: 312.45

Date of production: Dec. 23, 2020

Batch No: 20201223

Exp Date: Dec. 22, 2022



Chemical structure:

Items	Specifications	Results
Description	White or yellowish crystalline powder	white powder
Melting point	232℃～239℃	234℃～236.79℃
Loos on drying	≤0.5%	0.25%
Specific rotation	-30° ~ -35°	-33.4°
Residue on Ignitio	≤0.3%	0.18%
Limit of ethynyl group	7.81%~8.18%	7.9%
Related substances	Any other impurity ≤0.5%	complies
	Total other impurities ≤2.0%	complies
Residual slovents	Ethanol ≤0.5%	complies
Assay	98%~102.0%	99.2%

Conclusion: It complies with the USP40 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F