

## Certificate of Analysis

### Flutamide

CAS No.	13311-84-7	Code	BIOJFLU001
Batch No	F250304	Manufacture Date	Mar.20, 2025
Expiry Date	Mar.19, 2028	Quantity	7Kg

Testing Items	Specifications	Results
Appearance	Pale yellow crystalline powder	Pale yellow powder
Identification	A: IR Absorption B: HPLC	Complies Complies
Melting range	110°C ~114°C (does not exceed 2°C)	111.5°C ~113°C
Loss on drying	≤0.5%	0.11%
Residue on ignition	≤0.1%	0.04%
Related Compounds	4-Nitro-3-trifluoro-methylacetanilide ≤0.2% 4-Nitro-3-trifluoro-methylaniline ≤0.15% 3- trifluoromethylaniline ≤0.2% 4-Nitro-3-trifluoromethylpropionanilide ≤0.3% 3- trifluoromethylisobutyranilide ≤0.2% o-Flutamide ≤0.2% Unknown(relative response:1.0) ≤0.05% Total unknown ≤0.1% Total Impurities ≤0.4%	0.12% 0.10% Not detected 0.04% Not detected 0.03% Not detected Not detected 0.24%
Residual solvents	Methanol ≤3000ppm	1600ppm
Solubility	Freely soluble in acetone, ethyl acetate. Soluble in chloroform. Practically insoluble in mineral oil, petroleum ether and water	Complies
Heavy Metals	≤10ppm	Not detected
Assay	98.0%~101.0% (Calculated on the dried basis)	99.5%
Conclusion	This product conforms to USP40 standard	

**\*Storage condition: Store below 25°C, Protect from moisture and light.**