



CERTIFICATE OF ANALYSIS

Product : Dutasteride

Batch No. : DT230701

Quantity : 1kg

Specification : EP11

Mfg. date: 2023.07.11

Retest date: 2028.07.10

Item	Specifications	Results
Appearance	White or pale yellow powder	White powder
Solubility	Practically insoluble in water, freely soluble in methylene chloride, soluble or sparingly soluble in anhydrous ethanol	Conform
Identification	IR: Comparison: Dutasteride CRS.	Sample spectrum is similar to that of reference standard.
Specific optical rotation	+33.0° ~ +39.0°	+36.8°
Water	≤0.2 %	0.02%
Related substances	Impurity A ≤0.2%	0.02%
	Impurity B ≤0.15%	Not detected
	Impurity E ≤0.3%	0.02%
	Impurity C ≤0.2%	0.00%
	Impurity F ≤0.4%	Not detected
	Impurity G ≤0.3%	0.04%
	Unspecified impurities ≤0.10%	Not detected
	Impurity H ≤0.3%	Not detected
	Impurity I ≤0.5%	0.01%
	Unspecified impurities eluting after dutasteride ≤0.10%	0.01%
	Total impurities ≤1.5%	0.12%
Residual Solvents	Methanol ≤3000ppm	Not detected
	Ethanol ≤5000ppm	18.84ppm
	Acetonitrile ≤410 ppm	Not detected
	Dichloromethane ≤600 ppm	Not detected
	Dioxane ≤380 ppm	Not detected
	Pyridine ≤200 ppm	Not detected
	Toluene ≤890 ppm	Not detected
Sulphated ash	≤0.1 %	Not detected
Assay	97.0~102.0%(anhydrous substance)	99.7%

Conclusion: Complies with the requirements of EP11

Q.C. director: 吴晓微

QP: 1812

METAPHARMACEUTICAL

Date: 2023.08.03

N DE LOTE:

Date: 2023.08.03

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18/12/2023