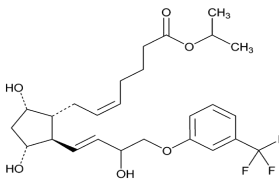


上海京河医药科技有限公司
Shanghai Genriver Pharmaceutical Co., Ltd.

CERTIFICATE OF ANALYSIS

Product Name	Travoprost	Batch No.	190101
Structure			
Molecular Formula	C ₂₆ H ₃₅ F ₃ O ₆	CAS No.	157283-68-6
Manufacturing Date	2019.01.27	Retest Date	2021.01.26
Storage	Store a temperature blow -15℃		
Quality Specification	Conform to USP37		
Tests	Specifications	Results	
Appearance	Colorless to yellowish viscous oily liquid	Yellowish viscous oily liquid	
Identification			
By TLC	The Travoprost should be appear as Black Spots.	Conforms	
By HPLC	The Retention time of the maior peak in the chromatogram of the test preparation corresponding to that in the chromatogram of the standard preparation, as per Assay test.	Conforms	
Specific Rotation	[α] _D ²⁰ : +52.0° ~ +58.0°at 365nm	55.3°	
Water	N.M.T.1.0 %	0.2%	
Limit of ethyl acetate	N.M.T. 5000ppm	1400ppm	
Travoprost Related compound A	N.M.T. 0.2%	N.D.	
15-epi Diasteromer	N.M.T. 0.5%	0.18%	
5,6-trans Isomer	N.M.T. 3.5%	0.80%	
15-Keto derivative	N.M.T. 0.3%	N.D.	
Any other impurity	N.M.T. 0.1%	0.09%	
Total impurities	N.M.T. 4.0%	1.2%	
Assay: Travoprost	96.0% ~ 102%(C ₂₆ H ₃₅ F ₃ O ₆)	98.4%	

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Conclusion	Conform to USP37
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Date of Report: 2019-01-27

Date of Audit: 2019-01-27

Approved by QA:Jun Yang