



Kopran

Certificate Of Analysis ATENOLOL EP

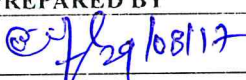
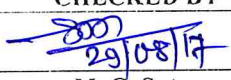
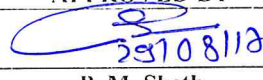
BATCH No. : ALU/P1707013	ANALYTICAL REPORT No.	MFG. DATE : JUL.2017
DISPATCH QTY. : 350.00 Kg	FPPA/170742	EXP. DATE : JUN.2022

SR. No.	TESTS	RESULTS	SPECIFICATIONS
1	APPEARANCE	A white powder	White or almost white powder
2	SOLUBILITY	Complies	Sparingly soluble in water, soluble in ethanol, slightly soluble in methylene chloride.
3	IDENTIFICATION	A. M. P. : 153.6°C B. UV abs. R : 1.17 C. IR : Complies D. TLC : Complies	A) Melting range: 152 to 155°C B) By UV (Ratio of absorbance between 1.15 to 1.20) C) By I.R. D) By TLC
4	APPEARANCE OF SOLUTION	Clear and not more intensely coloured than degree 6	Solution S is clear & not more intensely coloured than degree 6 of the range of reference solutions of the most appropriate colour
5	OPTICAL ROTATION at 20°C	-0.001°	+0.10° TO -0.10°
6	RELATED SUBSTANCES 1) Impurity B 2) Impurity F 3) Impurity G 4) Impurity I 5) Impurity J 6) Unspecified Impurity 7) Total Impurities	0.13 % BDL BDL BDL BDL BDL 0.13 %	NMT 0.2%w/w NMT 0.15%w/w NMT 0.15%w/w NMT 0.15%w/w NMT 0.15%w/w NMT 0.10%w/w NMT 0.5%w/w
7	CHLORIDE	Complies	NMT 0.1 % w/w
8	SULPHATED ASH	0.07 %	NMT 0.1 % w/w
9	LOSS ON DRYING	0.32 %	NMT 0.5 % w/w
10	ASSAY ON DRIED BASIS	99.96 %	99.0 % to 101.0 % of C ₁₄ H ₂₂ N ₂ O ₃
11	ADDITIONAL TESTS		
11.1	BULK DENSITY 1. Tapped 2. Untapped	0.51 g/cc 0.34 g/cc	Informative Informative
11.2	PARTICLE SIZE BY (Sieve Test)	Complies	100% Below 375µm

THIS PRODUCT CONFORMS TO EP

DATE: 29/08/2017

This batch is in conformity with Pharm. Eur & provisions of certificate of suitability R1-CEP 1998-017-Rev 05
Granted to Kopran.

PREPARED BY	CHECKED BY	APPROVED BY
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Sr. Executive - QA	Manager - QC	Sr. Manager - QC

Date of Sampling - 20th July 2017

Date of Analysis - 21st July 2017



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