



Certificate Of Analysis

ATENOLOL EP

Kopran

BATCH No. : ALU/P15060-48	ANALYTICAL REPORT No.	MFG. DATE : JUNE,2015
DISPATCH QTY : 350.00 Kg	FPPA/150546	EXP. DATE : MAY,2020

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. : 153.5°C B. UV abs. R : 1.19 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	+0.044 °	+0.10° TO -0.10°
6	RELATED SUBSTANCES 1) Impurity B 2) Impurity F 3) Impurity G 4) Impurity I 5) Unspecified Impurity 6) Total Impurities	0.13 % 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 0.10%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	0.37 %	NMT 0.5 % w/w
10	ASSAY ON DRIED BASIS	99.90 %	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	0.53 g/cc 0.36 g/cc	Informative Informative
11.2	PARTICLE SIZE BY (Sieve Test)	Complies	100% Below 375µm

THIS PRODUCT CONFORMS TO EP

DATE: 30/06/2015

This batch is in conformity with Pharm Eur & provisions of certificate of suitability R1-CEP 1998-017-Rev 04
Granted to Kopran.

PREPARED BY	CHECKED BY	APPROVED BY
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C. O. A. issued to: M/s. Metapharmaceutical Ind. SL, SPAIN



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