

solutions of the most appropriate

colour.

NMT 0.1%

+0.10° to -0.10°

## **AMRI India Private Limited**

Factory / Office : Plot No. G-1/1, 1/2, Near MIDC Water Tank, MIDC Area, Waluj, Aurangabad, India -431 136 t : +91-240-2554006 / 2564456, www.amriglobal.com

QUALITY	CONTROL DEPARTMENT	
CERT	IFICATE OF ANALYSIS	
Type: Dispatch	Page: 1 of 2	
Product Name: ATENOLOL	Batch Number: AM20114052	
Compendia: EP	Quantity: 225 Kg.	
Mfg. Date: JUN-2014 Retest Date: MAY-2019		
Date of Sampling: 17/06/2014	Date of Analysis: 17/06/2014	
Date of Release: 18/06/2014	A.R Number: FPA/14/060	
Storage Condition: - Preserve in well-clo	sed, light resistant container. Store at 25°C, excursions	
permitted between		

Sr.No. Test Results Specification 1. Appearance Almost white powder A white or almost white powder 2. Solubility Complies Soluble in anhydrous ethanol. sparingly soluble in water, slightly soluble in methylene chloride. 3. Identification First Identification C A) By Melting Point 153.5 °C Second Identification A, B, D. 152°C to 155°C B) By UV 1.17 1.15 to 1.20 C) By IR Complies Should be comparable with Atenolol working standard. D) By TLC Complies Should be comparable with Atenolol working standard. 4. Appearance of 1.0% w/v solution in water is 1.0%w/v solution in water should be solution clear & transparent clear & not more intensely coloured than degree 6 of the range of reference

Prepared By /Date	Checked By / Date	Reviewed By / Date	Approved By / Date
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Quality Control	Quality Control	Quality Assurance	<b>Ouality Assurance</b>

Less than 0.1%

5.

6.

Optical Rotations

Chloride



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Sr.No.	Test	Results	Specification		
7.	Related Substances By HPLC				
	Impurity B	0.14 %	NMT 0.20%		
	Impurity F	BDRL	NMT 0.15%		
	Impurity G	BDRL	NMT 0.15%		
	Impurity I	0.06 %	NMT 0.15%		
	Unspecified Impurity	0.08 %	NMT 0.10%		
	Total Impurities	0.34 %	NMT 0.5%		
8.	Sulphated Ash	0.06 %	NMT 0.1%		
9.	Loss on drying	0.25 % w/w	NMT 0.5% w/w		
10.	Assay (ODB) by Potentiometer	99.73 % w/w	99.0% to 101.0% w/w		
11. Foreign Particle		No black Particles observed	NMT 5 black particles observed on		
	on filter paper		filter paper		
12.	*Additional Tests				
12.1	Bulk Density				
	1) Untapped	0.21 gm/mL	Informative		
	2) Tapped (50 strokes)	0.31 gm/mL			
12.2	Particle Size	100% sample passes through 40 mesh	100% passing through 40 mesh.		

- \*Additional test determined as per in-house requirement.
- Remarks:- The product Complies as per EP specification
- BDRL Below Disregard Limit (Disregard Limit is 0.05% as per EP 7.0)
- We certify that the material manufactured in our factory, address- AMRI India Pvt. Ltd. G-1/1, MIDC, Aurangabad is as per process described in the certificate of suitability. We also certify that the quality of the material complies according to the certificate of suitability (No: R1-CEP 1999-122-Rev 04) of the monographs of the European Pharmacopoeia.

Prepared By /Date	Checked By / Date	Reviewed By / Date	Approved By / Date
Kint 04/07/2014	Trach another A	this point 14	Stroky
Quality Control	Quality Control	Quality Assurance	Quality Assurance