

Format No. QCD/021/F.01.02

AMRI, India Pvt. Ltd. | G-1/1, MIDC Area, Waluj, Aurangabad-431 136, India

	t. +91-240-2554006 2564456 www.amriglobal.com						
CERTIFICATE OF ANALYSIS							
Product Name: ATENOLOL				Batch Number: AM20315017			
Compendia: EP				Batch Quantity: 375.15 kg			
Mfg. Date: 26-Sep-2015				Retest Date: 25-Sep-2020			
Date of Analysis: 01/10/2015				Date of Release: 27/06/2017			
	mber: FP/15/0069		Page 1 of 2				
Storage Condition: - Preserve in well-closed, light resistant container. Store at 25°C, excursions permitted between 15°C to 30°C							
Sr.No.	Test	Results		Specification			
1.	Appearance	Almost white powd	ler	A white or almost white powder.			
2.	Solubility	Complies		Soluble in anhydrous ethanol, sparingly soluble in water, slightly soluble in methylene chloride.			
3.		entification C Second Identification A, B, D.					
	A) By Melting Point	NA		152°C to 155°C			
	B) By UV	NA		1.15 to 1.20			
	C) By IR	Complies NA		Should be comparable with Atenolol working standard.			
	D) By TLC			Should be comparable with Atenolol working standard.			
4.	Appearance of solution	Complies		1.0%w/v solution in water should be clear & not more intensely colored than degree 6 of the range of reference solutions of the most appropriate color.			
5.	Optical Rotations	+0.023°		+0.10° to -0.10°			
6.	Chloride	Less than 0.1%		NMT 0.1%			
7.	Related Substances By H						
	Impurity B	0.09 %		NMT 0.2%			
	Impurity F	BDL		NMT 0.15%			
	Impurity G	BQL		NMT 0.15%			
	Impurity I	BQL		NMT 0.15%			
	Impurity J	0.05%		NMT 0.15%			
	Unspecified Impurity	BDL		NMT 0.10%			
	Total Impurities	0.14 %		NMT 0.5%			

Prepared By /Date	Checked By / Date	Reviewed By / Date	Approved By / Date
Santosh Patil	Arjun Gapat	Sachin Jawale	Sudhan Kuchekar
Sr. Executive	Asst. Manager	Executive	Sr. Executive
Harpopo	09/08/2017	Oglo8117	Maubalcas
Quality Control	Quality Control	Quality Assurance	Quality Assurance



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Sr.No.	Test	Results		Specification	
8.	Sulphated Ash	0.07 % w/w		NMT 0.1%	
9.	Loss on drying	0.19 % w/w		NMT 0.5% w/w	
10.	Assay (ODB) by	100.5 % w/w		99.0% to 101.0% w/w	
	Potentiometer				

- NMT 5 black particles observed on filter paper Foreign Particle Complies 11. *Additional Tests 12. **Bulk Density** Informative 1) Untapped 0.25 gm/mL Informative 2) Tapped (50 strokes) 0.31 gm/mL Complies 100% passing through 40 mesh. 13. Particle Size (By sieve method)
 - *Additional tests determined as per in-house requirement.
 # If Identification test by IR has been done then there is no need to perform by second identification tests.
 - BQL Below Quantification Limit (Quantification Limit is 0.05%)
 - BDL Below Detection Limit (Detection Limit is 0.02%)
 - NA Not Applicable.

OCD /001/E 01 00

- Remarks: The product Complies as per EP Specification.
- We certify that the material manufactured in our factory, address AMRI India Pvt. Ltd. G-1/1, 1/2, MIDC, Waluj, 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 (COS No.: R1-CEP 1999-122-REV 06) of the monographs of the European Pharmacopoeia.

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Santosh Patil	Arjun Gapat	Sachin Jawale	Sudhan Kuchekar
Sr. Executive	Asst. Manager	Executive	Sr. Executive
Aglogial+	09/08/2017	Davole 09/08/17	Market 09/08/17
Quality Control	Quality Control	Quality Assurance	Quality Assurance