

clear & not more intensely colored than

degree 6 of the range of reference solutions of the most appropriate color.

+0.10° to -0.10°

NMT 0.1%

AMRI India Pvt. Ltd. G - 1/1, 1/2, MIDC Area, Waluj, Aurangabad - 431 136, India. t: +91-240-2554006 / 2564456, www.amriglobal.com

		QUALITY CONTR			
		CERTIFICATE			
				Page: 1 of 2	
Product Name: ATENOLOL			Batch Number: AM20113067		
Compendia: EP			Quantity: 250 Kg.		
Mfg. Date: APR -2013			Retest Date: MAR-2018		
Date of Sampling: 30/04/2013			Date of Analysis: 30/04/2013		
Date o	of Release: 08/05/2013		A.R Number: FPA/13/075		
Storag	ge Condition :- Protect fr	om light and store at	temperatur	e not exceeding 25°C	
S.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	154°C		Second Identification A, B, D.	
	Maria de la Companya del companya de la companya del companya de la companya de l	I see house		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.	
		1 00/ / 1 1		1.0%w/v solution in water should be	

Prepared By /Date	Checked By / Date	Reviewed By / Date	Approved By / Date
27/08/2013	22/08/2013	27/08/2013	127/08/2013
Quality Control	Quality Control	Quality Assurance	Quality Assurance

clear & transparent

Less than 0.1%

4.

5.

6.

Optical Rotation

Chlorides



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	CONTROL DEPARTMENT				
CERTIFICATE OF ANALYSIS					
Type: Dispatch	Page: 2 of 2				
Product Name: ATENOLOL	Batch Number: AM20113067	12			
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Mfg. Date: APR -2013	Retest Date: MAR-2018				
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S.No.	Test	Results	Specification	
7.	Related Substances	mand - self it moved by	Minister Oct Lanes Missis (Carde)	
	Impurity B	0.14%	NMT 0.20%	
	Impurities F	Less than 0.05%	NMT 0.15%	
	Impurities G	Less than 0.05%	NMT 0.15%	
	Impurities I	Less than 0.05%	NMT 0.15%	
	Unspecified Impurities	Less than 0.05%	NMT 0.10%	
	Total Impurity	0.27 %	NMT 0.5%	
8.	Sulphated Ash	0.06%	NMT 0.1%	
9.	Loss on drying	0.31%	NMT 0.5% w/w	
10.	Assay (ODB) by Potentiometer	99.57%	99.0% to 101.0% w/w	
11.	Foreign Particle	No black Particles observed on filter paper NMT 5 black particles observed filter paper		
12.	*Additional Tests			
12.1	Bulk Density			
	1) Untapped	0.27 gm/mL	Informative	
	2) Tapped (50 strokes)	0.37 gm/mL	82 (0.15)	
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

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
45.mt 2710812013	Janos 12013	27/08/2013	Kanahane 23/88/2013
Quality Control	Quality Control	Quality Assurance	Quality Assurance