

## **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: AM20114045	
Compendia: EP	Quantity: 225 Kg.	
Mfg. Date: MAY -2014	Retest Date: APR-2019	
Date of Sampling: 04/06/2014	Date of Analysis: 04/06/2014	
Date of Release: 07/06/2014	<b>A.R Number:</b> FPA/14/052	

**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 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 A) By Melting Point	154.1°C	First Identification C Second Identification A, B, D. 152°C to 155°C	
aī.	B) By UV	1.16	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 solution	1.0% w/v solution in water is clear & transparent	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°	$+0.10^{\circ}$ to $-0.10^{\circ}$	
6.	Chloride	Less than 0.1%	NMT 0.1%	

Prepared By /Date	Checked By / Date	Reviewed By / Date	Approved By / Date
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Quality Control	Quality Control	Quality Assurance	Quality Assurance



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Sr.No.	Test	Resul	ts	Specification	
7.	Related Substances By HPLC				
	Impurity B	BDRL		NMT 0.20 %	
	Impurity F			NMT 0.15 %	
	Impurity G			NMT 0.15 %	
	Impurity I	0.07 %		NMT 0.15 %	
	Unspecified Impurity	0.09 %		NMT 0.10 %	
	Total Impurities 0.40 %			NMT 0.5 %	
8.	Sulphated Ash	0.06 %		NMT 0.1 %	
9.	Loss on drying	0.29 % w/w		NMT 0.5 % w/w	
10.	Assay (ODB) by	99.82 % w/w		99.0% to 101.0% w/w	
	Potentiometer		SELECTION OF STREET AS SECURITIES AS SECURITIES AS SECURITIES AS SECURITIES AS A SECURITIES AS A SECURITIES AS		
11.	Foreign Particle	No black Particles observed		NMT 5 black particles observed on	
		on filter paper		filter paper	
12.	*Additional Tests			:	
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\*Additional test determined as per in-house requirement.

12.1

12.2

Bulk Density
1) Untapped

Particle Size

2) Tapped (50 strokes)

• BDRL – Below Disregard Limit (Disregard Limit is 0.05% as per EP 7.0)

through 40 mesh

0.20 gm/mL

0.31 gm/mL

100%

• 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.

sample

passes

Informative

100% passing through 40 mesh.

Prepared By /Date	Checked By / Date	Reviewed By / Date	Approved By/ Date
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