



ALVENTA PHARMA LIMITED

VILL. KISHANPURA, TEHSIL BADDI- NALAGARH ROAD, DISTT.- SOLAN (H.P) 174101

Quality Control Department

CERTIFICATE OF ANALYSIS (FINISHED PRODUCT)

Product Name	Betablock XL-100	A.R. No.	FG/G/24A0293
Generic Name	Metoprolol Succinate Extended Release Tablets IP 100 mg	Sample Quantity	80 Tablets
Batch No.:	AGT40390	Sample Received on	17/04/2024
Batch Size:	1.0 Lac	Analysis Date	17/04/2024
Mfg. Date.	03/2024	Release Date	22/04/2024
Exp. Date	02/2026	Page No.:	Page 1 of 2

Sr. No.	Test Parameter	Acceptance Criteria	Result		
1.	Description	White colour, round shaped, biconvex having both side plain, film coated tablet.	White colour, round shaped, biconvex having both side plain, film coated tablet.		
2.	Identification	The infrared absorption spectrum of sample should concordant with the spectrum of Metoprolol succinate reference or working standard or with the reference spectrum of Metoprolol succinate.	Complies		
3.	Average weight	300.00 mg $\pm$ 3.0%.	297.888 mg		
4.	Uniformity of weight	$\pm$ 5% of its average weight.	Min: 288.10 mg ; Max: 303.03 mg -3.29% ; +1.73%		
5.	Hardness	Not less than 4.0 Kg/cm ²	16.4 Kg/cm ²		
6.	Dissolution:				
	1 st hours	Not more than 25.00%	Minimum = 11.19% Maximum = 12.09% Average = 11.55%		
	4 th hours	Between 15.00% to 45.00%	Minimum = 24.59% Maximum = 26.63% Average = 25.17%		
	8 th hours	Between 40.00% to 65.00%	Minimum = 41.44% Maximum = 44.61% Average = 42.87%		
	20 th hours	Not less than 70.00%	Minimum = 82.74% Maximum = 87.07% Average = 84.23%		
7.	Assay:				
	Each film coated Extended Release tablet contains:	Claim	Limit	mg	%
	Metoprolol Succinate IP 95 mg eq. to Metoprolol Tartrate	100 mg	Between 90.0 % to 110.0 % of labeled amount. (Between 90.0 mg to 110.0 mg)	97.598 mg	97.60%

Particulars	Prepared By	Checked By	Approved By
Name	Praveen Kumar	DURGESH KUMAR	Chaitan Singh
Designation	Executive	QC Head	Head-QA
Signature			
Date	22/04/2024	22/04/2024	22/04/2024



ALVENTA PHARMA LIMITED

VILL. KISHANPURA, TEHSIL BADDI- NALAGARH ROAD, DISTT.- SOLAN (H.P) 174101

Quality Control Department

CERTIFICATE OF ANALYSIS (FINISHED PRODUCT)

Product Name	Betablock XL-100	A.R. No.	FG/G/24A0293
Generic Name	Metoprolol Succinate Extended Release Tablets IP 100 mg	Sample Quantity	80 Tablets
Batch No.:	AGT40390	Sample Received on	17/04/2024
Batch Size:	1.0 Lac	Analysis Date	17/04/2024
Mfg. Date.	03/2024	Release Date	22/04/2024
Exp. Date	02/2026	Page No.:	Page 2 of 2

Sr. No.	Test Parameter	Acceptance Criteria	Result
8.	Microbial Limit Tests:		
i.	Total aerobic microbial count	NMT 1000 cfu/g	30 cfu/g
ii.	Total yeast and mould count	NMT 100 cfu/g	Less than 10 cfu/g
iii.	Pathogens: Escherichia coli	Should be absent/g	Absent/g

Remarks: The above test parameters are complies/ not complies as per IP/BP/USP & In-House Specification.

Particulars	Prepared By	Checked By	Approved By
Name	Praveen Kumar	DURGESH KUMAR	Gautam Singh
Designation	Executive	QC Head	Head-QA
Signature			
Date	22/04/2024	22/04/2024	22/04/2024