



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/24A1454
Generic Name	Metoprolol Succinate Extended Release Tablets IP 100 mg	Sample Quantity	100 Tablets
Batch No.:	AGT40961	Sample Received on	22/10/2024
Batch Size:	1.0 Lac	Analysis Date	22/10/2024
Mfg. Date.	09/2024	Release Date	NA
Exp. Date	08/2026	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%.	300.01 mg
4.	Uniformity of weight	$\pm$ 5% of its average weight.	Min: 292.57 mg ; Max: 306.49 mg -2.54% ; +2.16%
5.	Hardness	Not less than 4.0 Kg/cm ²	13.58 Kg/cm ²
6.	Dissolution:		
	1 st hours	Not more than 25.00%	Minimum = 10.14% Maximum = 10.72% Average = 10.41%
	4 th hours	Between 15.00% to 45.00%	Minimum = 22.82% Maximum = 23.67% Average = 23.29%
	8 th hours	Between 40.00% to 65.00%	Minimum = 40.85% Maximum = 43.31% Average = 42.18%
	20 th hours	Not less than 70.00%	Minimum = 79.95% Maximum = 85.13% Average = 81.52%
7.	Assay:		
	Each film coated Extended Release tablet contains:	Claim	Limit
	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)
			mg %
			101.056 mg 101.06%

Particulars	Prepared By	Checked By	Approved By
Name	Pravesh Kumar	Anshu Kumar Thakur	RamAwadh Yadav
Designation	Executive	Executive	Head-QA
Signature			
Date	22/10/2024	22/10/2024	22/10/2024



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

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	Prasen Kumar	Amit Kumar	Ram Awadh Yadav
Designation	Executive	Executive	Head QA
Signature			
Date	22/10/2024	22/10/2024	22/10/2024