



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-50	A.R. No.	FG/G/24A1177
Generic Name	Metoprolol Succinate Extended Release Tablets IP 50 mg	Sample Quantity	60 Tablets
Batch No.:	AGT40811	Sample Received on	22/08/2024
Batch Size:	1.50 Lac	Analysis Date	22/08/2024
Mfg. Date.	08/2024	Release Date	27/08/2024
Exp. Date	07/2026	Page No.:	Page 1 of 2

Sr. No.	Test Parameter	Acceptance Criteria	Result		
1.	Description	Yellow colour, round shaped, biconvex having both side plain, film coated tablet.	Yellow 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	295.00 mg ± 3.0%.	297.21 mg		
4.	Uniformity of weight	± 5% of its average weight.	Min: 293.50 mg ; Max: 302.37 mg -1.25% ; +1.73%		
5.	Hardness	Not less than 4.0 Kg/cm ²	9.75 Kg/cm ²		
6.	Dissolution:				
	1 st Hour	Not more than 25.00 %	Minimum = 10.22 % Maximum = 10.50 % Average = 10.34 %		
	4 th Hours	Between 15.00 % to 40.00 %	Minimum = 24.29 % Maximum = 25.84 % Average = 25.01 %		
	8 th Hours	Between 40.00 % to 65.00 %	Minimum = 42.16 % Maximum = 46.76 % Average = 44.94 %		
	20 th Hours	Not less than 70.00 %	Minimum = 76.73 % Maximum = 79.33 % Average = 78.41 %		
7.	Assay:				
	Each film coated extended release tablet contains:	Claim	Limit	mg	%
	Metoprolol Succinate IP 47.5 mg eq. to Metoprolol Tartrate	50 mg	Between 90.0 % to 110.0 % of labeled amount. (Between 45.0 mg to 55.0 mg)	49.436 mg	98.87 %

Particulars	Prepared By	Checked By	Approved By
Name	Praveen Kumar	Tanvej	Gautam Singh
Designation	Executive	Sr. Executive	Head-QA
Signature			
Date	27/08/2024	27/08/2024	27/08/2024



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Sr. No.	Test Parameter	Acceptance Criteria	Result
8.	Microbial Limit Tests:		
i.	Total aerobic microbial count	NMT 1000 cfu/g	45 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	Tanvej	Gautam singh
Designation	Executive	Sr. Executive	Head-QA
Signature			
Date	27/08/2024	27/08/2024	27/08/2024