



KUMAR ORGANIC PRODUCTS LIMITED



CERTIFICATE OF ANALYSIS

0Name of the Product	MINOXIDIL EP	Batch No.	K007.2/25/09/477
Analytical report no.	FP/K007/SB/25/519	Mfg. Date	SEPTEMBER -2025
Date of analysis	08.10.2025	Exp. Date	AUGUST -2030
Qty being dispatched	100.0 Kg	Mfg.Licence No.	KTK/25/624/2013
CEP No.	CEP 2013-310-Rev 02		

SI No.	TEST	SPECIFICATION	RESULT
1	Appearance	White or almost white, crystalline powder	White crystalline powder
2	Solubility	Slightly soluble in water, soluble in methanol, and in propylene glycol	Complies
3	Identification By IR Absorption spectrophotometry	The IR absorption spectrum of the sample should be concordant with the IR absorption spectrum on Minoxidil working standard.	Complies
4	Impurities		
A.	Sulphated ash	Maximum 0.1%	0.02%
B.	Related substances by HPLC		
	B. Related substances by HPLC		
	a. Impurity E	Maximum 0.2%	Not detected
	b. Impurity B	Maximum 0.15%	Not detected
	c. Single largest unknown impurity	Maximum 0.10%	0.01%
	d. Total Impurities	Maximum 0.3%	0.01%
C.	Additional Test		
	Piperidine by GC-HS	Not more than 1000 ppm	< 1000 ppm
5	Loss-on-drying	Maximum 0.5%	0.10%
6	Assay by Potentiometry (on dried basis)	99.0% to 101.0% $C_9H_{15}N_5O$ Calculated on dried substance	99.8%
7	Residual solvents by GC-HS 1. Methanol	Not more than 3000 ppm	< 3000 ppm

Remarks: The above sample complies with the EP 11.0 standard.

Compiled by
QC ExecutiveVerified by
QC ManagerApproved by
QA Manager

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Signature
06/11/2025