

Item Number	F1154
Item	Famotidine, USP
CAS Number	76824-35-6
Molecular Formula	C ₈ H ₁₅ N ₇ O ₂ S ₃
Molecular Weight	337.45
MDL Number	
Synonyms	3-[(2-Diaminomethyleneaminothiazol-4-yl)methylthio]-N-sulfamoylpropionamide

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.5	101.0 %
LOSS ON DRYING		0.5 %
RESIDUE ON IGNITION		0.1 %
ELEMENTAL IMPURITIES	AS REPORTED	
ORGANIC IMPURITIES:		
Famotidine related compound D		0.3 %
Famotidine related compound C		0.3 %
Famotidine cyanoamide		0.2 %
Famotidine related compound F		0.1 %
Famotidine amidine		0.2 %
Famotidine related compound B		0.3 %
Famotidine related compound E		0.3 %
Any other individual impurity		0.1 %
Total impurities		1.0 %
IDENTIFICATION (FTIR)	SPECTRUM MATCHES REFERENCE	
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS	AS REPORTED	
CLASS 2 (SOLVENT) / METHANOL	.	
CLASS 3 (solvent) / ACETONE	.	
MONOGRAPH EDITION		

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