

spectrum[®] CHEMICAL MFG CORP **Specification for Cimetidine, USP (C1491)**

Item Number	C1491
Item	Cimetidine, USP
CAS Number	51481-61-9
Molecular Formula	C ₁₀ H ₁₆ N ₆ S
Molecular Weight	252.34
MDL Number	
Synonyms	Tagamet* ; 2-Cyano-1-methyl-3-[2-(5-methylimidazol-4-ylmethylthio)ethyl]guanidine

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.0	102.0 %
MELTING RANGE	139	144°C
LOSS ON DRYING		1.0 %
ORGANIC IMPURITIES:		
INDIVIDUAL IMPURITY		0.2%
TOTAL IMPURITIES		1.0%
RESIDUE ON IGNITION		0.2 %
ELEMENTAL IMPURITIES		AS REPORTED
IDENTIFICATION (A) INFRARED ABSORPTION	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B) ULTRAVIOLET ABSORPTION	SPECTRUM MATCHES STANDARDS	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED

Spectrum Chemical Mfg Corp

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