



Specification for Azathioprine, USP (A1383)

Item Number	A1383
Item	Azathioprine, USP
CAS Number	446-86-6
Molecular Formula	C ₉ H ₇ N ₇ O ₂ S
Molecular Weight	277.26
MDL Number	
Synonyms	6-(1-Methyl-4-nitroimidazol-5-ylthio)purine

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.0	102.0 %
LOSS ON DRYING		1.0 %
RESIDUE ON IGNITION		0.1 %
ORGANIC IMPURITIES:		
AZATHIOPRINE RELATED COMPOUND A		0.15 %
MERCAPTOPURINE		0.15 %
AZATHIOPRINE RELATED COMPOUND G		0.10 %
ANY OTHER UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		0.5 %
ELEMENTAL IMPURITIES	AS REPORTED	
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
IDENTIFICATION A (FTIR)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME CORRESPONDS TO STANDARD	
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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