

Item Number	M1435
Item	Methotrexate, USP
CAS Number	59-05-2
Molecular Formula	C <sub>20</sub> H <sub>22</sub> N <sub>8</sub> O <sub>5</sub>
Molecular Weight	454.44
MDL Number	
Synonyms	4-Amino-10-methylfolic Acid ; (+)-Amethopterin

Test	Specification	
	Min	Max
ASSAY (ANHYDROUS BASIS)	98.0	102.0 %
RELATED COMPOUNDS:		
METHOTREXATE RELATED COMPOUND B		0.3 %
METHOTREXATE RELATED COMPOUND C		0.5 %
METHOTREXATE RELATED COMPOUNDS E FREE BASE		0.3 %
METHOTREXATE RELATED DIMETHYLAMIDE AND RELATED COMPOUND I		0.2 %
METHOTREXATE RELATED COMPOUND H		0.2 %
ANY UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		1.0 %
ENANTIOMERIC PURITY (R-METHOTREXATE CONTENT)		3.0 %
RESIDUE ON IGNITION		0.1 %
ELEMENTAL IMPURITIES	AS REPORTED	
WATER DETERMINATION		12.0 %
IDENTIFICATION		TO PASS TEST
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS		TO PASS TEST

**Spectrum Chemical Mfg Corp**

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