

Item Number	UR107
Item	Urea, USP, JP
CAS Number	57-13-6
Molecular Formula	CH ₄ N ₂ O
Molecular Weight	60.06
MDL Number	
Synonyms	Carbamide ; Carbonyl Diamide

Test	Specification	
	Min	Max
APPEARANCE		
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME MATCHES STANDARD	
IDENTIFICATION (C)	RED PURPLE COLOR DEVELOPS	
IDENTIFICATION (D)	WHITE PRECIPITATE FORMS	
ASSAY (USP)	98.0	102.0 %
ASSAY (JP)	99.0	101.0%
MELTING POINT (JP)	132.5°	134.5°C
RESIDUE ON IGNITION		0.1 %
ALCOHOL-INSOLUBLE MATTER		0.04 %
CHLORIDE		0.007 %
SULFATE		0.010 %
ELEMENTAL IMPURITIES	AS REPORTED	
HEAVY METALS (JP)		20 ppm
ORGANIC IMPURITIES:		
UREA RELATED COMPOUND A		0.1 %
INDIVIDUAL IMPURITY		0.1 %
TOTAL IMPURITIES		2.0 %
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS		AS REPORTED
MONOGRAPH EDITION		

Test	Specification	
	Min	Max
MONOGRAPH EDITION.		

Spectrum Chemical Mfg Corp

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