



Specification for Cysteine Hydrochloride, Monohydrate, USP (C1473)

Item Number	C1473
Item	Cysteine Hydrochloride, Monohydrate, USP
CAS Number	7048-04-6
Molecular Formula	$C_3H_7NO_2S \cdot HCl \cdot H_2O$
Molecular Weight	175.64
MDL Number	
Synonyms	L-2-Amino-3-mercaptopropanoic Acid Hydrochloride

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.5	101.5 %
SPECIFIC ROTATION $[a]_D$	+5.7° to +6.8°	
LOSS ON DRYING	8.0	12.0 %
RELATED COMPOUNDS:		
INDIVIDUAL IMPURITY		0.5 %
TOTAL IMPURITIES		2.0 %
RESIDUE ON IGNITION		0.4 %
SULFATE		0.03 %
IRON		30 ppm
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION (FTIR)	SPECTRUM MATCHES REFERENCE	
CERTIFIED HALAL		
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS	AS REPORTED	
MONOGRAPH EDITION		

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