

Item Number	T1056
Item	Threonine, Crystal, USP
CAS Number	72-19-5
Molecular Formula	C ₄ H ₉ NO ₃
Molecular Weight	119.12
MDL Number	
Synonyms	Threonine ; L-2-Amino-3-hydroxybutyric Acid

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (DRIED BASIS)	98.5	101.5 %
SPECIFIC ROTATION [α] _D	-26.7 to -29.1°	
pH OF A 1 IN 20 SOLUTION	5.0	6.5
LOSS ON DRYING		0.2 %
RESIDUE ON IGNITION		0.4 %
CHLORIDE		0.05 %
SULFATE		0.03 %
IRON		30 ppm
ELEMENTAL IMPURITIES:		
CADMIUM (Cd)	AS REPORTED	
LEAD (Pb)	AS REPORTED	
ARSENIC (As)	AS REPORTED	
MERCURY (Hg)	AS REPORTED	
RELATED COMPOUNDS:		
INDIVIDUAL IMPURITIES		0.5 %
TOTAL IMPURITIES		2.0 %
IDENTIFICATION (A) FTIR	SPECTRUM MATCHES REFERENCE	
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

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