

Item Number	A1334
Item	Arginine, USP
CAS Number	74-79-3
Molecular Formula	C ₆ H ₁₄ N ₄ O ₂
Molecular Weight	174.20
MDL Number	
Synonyms	L-2-Amino-5-guanidinovaleric Acid

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.5	101.5 %
SPECIFIC ROTATION [α] _D	+26.3° to +27.7°	
LOSS ON DRYING		0.5 %
RESIDUE ON IGNITION		0.3 %
CHLORIDE (Cl)		0.05 %
SULFATE (SO ₄)		0.03 %
IRON (Fe)		30 ppm
ELEMENTAL IMPURITIES:		
CADMIUM (Cd)		AS REPORTED
LEAD (Pb)		AS REPORTED
ARSENIC (As)		AS REPORTED
MERCURY (Hg)		AS REPORTED
ORGANIC IMPURITIES:		
INDIVIDUAL IMPURITIES		0.5 %
TOTAL IMPURITIES		2.0 %
IDENTIFICATION (FTIR)	SPECTRUM MATCHES REFERENCE	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED
MONOGRAPH EDITION		

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