

Item Number	A9610
Item	L-Arginine Monohydrochloride, cGMP, USP, EP, JP, bioCERTIFIED(TM)
CAS Number	1119-34-2
Molecular Formula	C ₆ H ₁₄ N ₄ O ₂ •HCl
Molecular Weight	210.66
MDL Number	
Synonyms	L-Arginine Hydrochloride ; L-2-Amino-5-guanidinovaleric Acid Monohydrochloride

Test	Specification	
	Min	Max
Assay (Dried Basis, USP, JP)	98.5	101.5 %
ASSAY (DRIED BASIS, EP)	98.5	101.5 %
Specific Rotation (20°C, JP)	+21.5° to +23.5°	
Specific Rotation (20°C, EP)	+21.0° to +23.5°	
Specific Rotation (25°C, USP)	+21.4° to +23.6°	
pH (JP)	4.7	6.2
Chloride Content (USP)	16.5- - 17.1 %	
Loss on Drying (EP, USP)		0.2 %
LOSS ON DRYING (JP)		0.20 %
Appearance of Solution (EP, JP)		TO PASS TEST
Residue on Ignition (USP, EP, JP)		0.1 %
Sulfate (USP, EP)		0.03 %
SULFATE (JP)		0.028 %
Ninhydrin-Positive Substances (EP):		
Any Ninhydrin-Positive substance		0.2 %
TOTAL		0.5 %
RELATED SUBSTANCES (JP), RELATED COMPOUNDS (USP) CONFORMS		TO PASS TEST
CHROMATOGRAPHIC PURITY:		
INDIVIDUAL IMPURITIES		0.5 %
TOTAL IMPURITIES		2.0 %
Arsenic (JP)		2 ppm
Heavy Metals (as Pb, JP)		20 ppm
AMMONIUM (EP)		TO PASS TEST

Test	Specification	
	Min	Max
AMMONIUM (JP)		0.2 %
LEAD		0.5 ppm
CADMIUM		1 ppm
MERCURY		0.3 ppm
ELEMENTAL IMPURITIES		AS REPORTED
MICROBIAL LIMITS:		
TOTAL AEROBIC BACTERIA COUNT (TABC)		1000 CFU/g
YEAST AND MOLD		100 CFU/g
COLIFORMS		Negative/g
ESCHERICHIA COLI		Negative/10 g
SALMONELLA		Negative/25 g
IDENTIFICATION		TO PASS TEST
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS		AS REPORTED

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