



Specification for L-Arginine, USP, JP, bioCERTIFIED(TM) (A9600)

Item Number	A9600
Item	L-Arginine, USP, JP, bioCERTIFIED(TM)
CAS Number	74-79-3
Molecular Formula	$C_6H_{14}N_4O_2$
Molecular Weight	174.20
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (DRIED BASIS) (USP/JP)	98.5	101.0 %
pH (JP)	10.5	12.0
SPECIFIC ROTATION (USP)	+26.3° to +27.7	
SPECIFIC ROTATION (JP)	+26.9° to +27.9	
AMMONIUM (JP)		0.02 %
LOSS ON DRYING (USP/JP)		0.30 %
RESIDUE ON IGNITION (USP/JP)		0.1 %
CHLORIDE (USP)		0.05 %
CHLORIDE (JP)		0.021 %
SULFATE (USP)		0.03 %
SULFATE (JP)		0.028 %
Iron (USP)		30 ppm
IRON (JP)		10 ppm
HEAVY METALS (JP)		10 ppm
ORGANIC IMPURITIES (USP):		
INDIVIDUAL IMPURITIES		0.5 %
TOTAL IMPURITIES		2.0 %
RELATED SUBSTANCES (JP)	ANY SECONDARY SPOT IS NOT LARGER OR MORE INTENSE THAN STANDARD PRINCIPAL SPOT	
CLARITY AND COLOR OF SOLUTION (JP)	CLEAR AND COLORLESS	
MICROBIAL LIMITS:		
TAMC		100 cfu/g

Test	Specification	
	Min	Max
TYMC		10 cfu/g
BET		6.0 IU/g
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (USP)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (JP)	SPECTRUM MATCHES REFERENCE	
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

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