

Product Specification

Product Name: L-Arginine hydrochloride
Source:
Synonym: (S)-2-Amino-5-guanidinovaleric acid

Item Nr.: 1628 MW: 210.66 g/mol C₆H₁₄N₄O₂*HCl
CAS Nr.: 1119-34-2 E.C.Nr.: EINECS: 214-275-1

Parameter	Method	Specification	Unit
Appearance	visual	White or almost white crystalline powder	
Solubility	5% in H ₂ O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Assay	perchloric acid titration	>99.0	%
Loss on drying		<0.5	%
pH	5% in H ₂ O	4.7 - 6.2	
Optical rotation	[α] _{20D} 8% in HCl (25%)	+21.0 - +23.5	°
Sulfated ash		<0.1	%
Ammonium (NH ₄)		< 200	ppm
Sulfates (SO ₄)		< 200	ppm

Storage: Keep well closed at room temperature (below 30°C) in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 03/17.09.2024