



Specification

L-Arginine base pure Ph. Eur., USP

A1345

Synonym	L-2-Amino-5-guanidino-n-valerianic acid
Solubility (25°C)	150 g/L (H ₂ O)
Melting point	> 225°C (dec.)
Formula	C ₆ H ₁₄ N ₄ O ₂
M	174.20 g/mol
CAS-No.:	74-79-3
HS-No.:	29224985
EC-No.:	200-811-1
Storage:	RT
LGK:	10 - 13
R:	36
S:	26
	irritant
WGK:	nwg
♦ All amino acids from AppliChem are of non-animal origin!	
Specification	
Assay (titr.)	98.5 - 101.0 %
α20°C/D; 8 %, HCl 250 g/L	+25.5° - +28.5°
α25°C/D; 8 %, 6 M HCl	+26.3° - +27.7°
Appearance of solution	complies
Organic vol. impurities	complies
Identity	complies
Heavy metals (as Pb)	max. 0.001 %
Sulfated ash	max. 0.1 %
Loss on drying	max. 0.5 %
Other amino acids	max. 0.5 %
Ammonium	max. 0.02 %
Chloride	max. 0.02 %
Sulfate	max. 0.03 %

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Fe	max. 0.001 %