

Specification

L-Arginine Hydrochloride (Ph. Eur., USP) pure, pharma grade

A1700

Solubility:	900 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1700
Product Name:	L-Arginine Hydrochloride (Ph. Eur., USP) pure, pharma grade
Headline Comment:	• All amino acids from AppliChem are of non-animal origin!
Specifications:	<p>Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α20°C/D; 8 %, 6 M HCl: +21.4° - +23.6° Appearance of solution: passes test Identity: passes test Heavy metals (as Pb): max. 0.002 % Sulfated ash: max. 0.1 % Loss on drying (2 h; 105°C): max. 0.2 % α20°C/D; 8 %, 250 g/L HCl, calc. on dried subst.: +21.0° - +23.5° Ammonium: max. 0.02 % Chloride: 16.5 - 17.1 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) each individual impurity: max. 0.2 % Total impurities: max. 0.5 % Ninhydrin positive substances (TLC) Each individual impurity: max. 0.5 % Total impurities: max. 2 % Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm</p>

AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 007 225 00192 • Register court Darmstadt HRB Nr. 7340

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	Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Tl): max. 0.8 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm Class 3 (Mo): max. 25 ppm Class 3 (Cr): max. 25 ppm Class 3 (Cu): max. 250 ppm Class 3 (Sn): max. 600 ppm
WGK:	1
Storage:	RT
Molecular Formula:	$C_6H_{14}N_4O_2 \cdot HCl$
M:	210.66 g/mol
CAS:	1119-34-2
EINECS:	214-275-1
CS:	29224985

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