

Specification

L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade

A1706

Solubility:	420 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1706
Product Name:	L-Lysine Monohydrochloride (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 %</p> <p>α25°C/D; 8 %, 6 M HCl: +20.4° - +21.4°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying (3 h; 105°C): max. 0.4 %</p> <p>α20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.: +21.0° - +22.5°</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: 19.0 - 19.6 %</p> <p>Sulfate: max. 0.03 %</p> <p>Fe: max. 0.003 %</p> <p>Ninhydrin positive substances (HPLC)</p> <p>Each individual impurity: max. 0.2 %</p> <p>Total impurities: max. 1.0 %</p> <p>Ninhydrin positive substances (TLC)</p> <p>Each individual impurity: max. 0.5 %</p> <p>Total impurities: max. 2 %</p> <p>Elemental impurities (according to ICH Q3D): passes test</p>
WGK:	1
Storage:	RT
Molecular Formula:	C ₆ H ₁₄ N ₂ O ₂ · HCl


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

Specification

L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade

A1706

M:	182.65 g/mol
CAS:	657-27-2
EINECS:	211-519-9
CS:	29224100
	

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