

Specification

L-Lysine 1-hydrate (DAB) pure, pharma grade

A1342

Solubility:	300 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1342
Product Name:	L-Lysine 1-hydrate (DAB) 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 - 101.5 %</p> <p>α20°C/D; 8 %, 6 M HCl, calc. on dried subst.: +25.5° - +27.0°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>pH (2.5 %; H₂O): 9.0 - 10.5</p> <p>Heavy metals (as Pb): max. 0.001 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>Ninhydrin positive substances: max. 0.5 %</p> <p>Water (K.F.): 10.0 - 11.5 %</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: max. 0.03 %</p> <p>Sulfate: max. 0.02 %</p> <p>Fe: max. 0.001 %</p> <p>Elemental impurities (according to ICH Q3D):</p> <p>Class 1 (Cd): max. 0.5 ppm</p> <p>Class 2B (Au): max. 10 ppm</p> <p>Class 2B (Rh): max. 10 ppm</p> <p>Class 2A (Co): max. 5 ppm</p> <p>Class 3 (Li): max. 55 ppm</p> <p>Class 1 (Pb): max. 0.5 ppm</p> <p>Class 1 (As): max. 1.5 ppm</p> <p>Class 1 (Hg): max. 1.5 ppm</p> <p>Class 2A (V): max. 10 ppm</p> <p>Class 2A (Ni): max. 20 ppm</p>

AppliChem GmbH

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	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:	$C_6H_{14}N_2O_2 \cdot H_2O$
M:	164.21 g/mol
CAS:	39665-12-8
EINECS:	200-294-2
CS:	29224100

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