

 AJINOMOTO EUROLYSINE S.A.S.	Technical data sheet <i>L-Lysine HCl 99 % Feed Grade</i>	Reference	SPF.0009
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L-Lysine monohydrochloride 99 % Feed Grade is produced by fermentation.

This product is intended only for animals and should not be used in human products or human consumption.

Chemical description

Chemical formula	$C_6H_{14}N_2O_2HCl$
Molecular weight	182.65
Isomer	L (Laevo-rotatory)

Commercial guarantee

Lysine base (%) – Standard NF EN ISO 17180	78	Minimum
Moisture (%) - 105°C for 4 hours	1.5	Maximum
Purity (%) - Lysine HCl on dry matter	99	Minimum

Regulatory position

L-Lysine-monohydro-chloride, technically pure (L-Lysine HCl 99 % Feed Grade) is in the scope of Regulation (EC) 1831/2003 of 22/09/2003 on additives for use in animal nutrition (OJ EU n° L 268 of 18/10/2003), category: “nutritional additives”, additive group: “amino acids, their salts and analogues” and is approved for use in all animal species.

Nutritional values

Dry matter (%)	98.5
Lysine base content (%)	78
Digestibility coefficient (%)	100
Crude Protein (N x 6.25, %)	93.4
ME poultry, kcal.kg-1 (MJ.kg-1)	4120 (17.24)
DE pig, kcal.kg-1 (MJ.kg-1)	4860 (20.33)
ME pig, kcal.kg-1 (MJ.kg-1)	4410 (18.45)
NE pig, kcal.kg-1 (MJ.kg-1)	3435 (14.37)

Physical description

White to pale yellow crystals.

Physical characteristics

pH (5g in 100 ml of H ₂ O)	5.6 to 5.9
Bulk density (kg/l)	0.55 to 0.65
Solubility in water at 20 °C	64.2g/100g water

Packaging

25 kg bags on shrink wrapped pallets, “Big bags” or bulk.

Stability

Original 25 kg bags unopened: the product is stable for at least 3 years if stored under recommended conditions.
Original “Big bags” unopened: the product is stable for at least 1 year if stored under recommended conditions.

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