

 AJINOMOTO EUROLYSINE S.A.S.	Technical data sheet <i>L-Threonine 98.5 % Feed Grade</i>	Reference	SPF.0010
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L-Threonine 98.5 % 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 ₄ H ₉ NO ₃
Molecular weight	119.12
Isomer	L (Laevo-rotatory)

Commercial guarantee

Threonine (%) - Standard.NF EN ISO 17180	98	Minimum
Moisture (%) - 105°C for 4 hours	0.5	Maximum
Purity (%) - Threonine on dry matter	98.5	Minimum

Regulatory position

L-Threonine, technically pure (L-Threonine 98.5 % Feed Grade) is in the scope of Regulation (EC) 1831/2003 of 22/09/03 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 (%)	99.5
Threonine (%)	98
Digestibility coefficient (%)	100
Crude Protein (N x 6.25, %)	72
ME poultry, kcal.kg-1 (MJ.kg-1)	3570 (14.94)
DE pig, kcal.kg-1 (MJ.kg-1)	4140 (17.32)
ME pig, kcal.kg-1 (MJ.kg-1)	3790 (15.86)
NE pig, kcal.kg-1 (MJ.kg-1)	2950 (12.34)

Physical description

White to pale yellow crystalline powder.

Physical characteristics

pH (5g in 100 ml of H ₂ O)	5.0 to 6.5
Bulk density (kg/l)	0.62 to 0.66
Solubility in water at 20 °C	9.76g/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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