

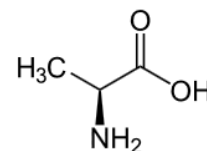
L-ALANINE

USP 39

PARAMETER	LIMIT
Appearance: White or almost white crystalline powder or colourless crystals	passes
Identity (A. IR)	passes
Specific optical rotation (on dry basis) (10.0 % (m/V) in 6 N HCl at 25°C [α] _D ²⁵)	+13.7° to +15.1°
Organic impurities (HPLC):	
▪ Maleic acid	≤ 0.05 %
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▪ Fumaric acid	≤ 0.05 %
▪ Any unspecific impurity	≤ 0.05 %
▪ Total unspecific impurities	≤ 0.20 %
Chlorides	≤ 500 ppm
Sulphates	≤ 300 ppm
Iron	≤ 30 ppm
Heavy metals (as Pb)	≤ 15 ppm
pH (5.0 % (m/V) in H ₂ O)	5.5 to 7.0
Loss on drying	≤ 0.2 %
Residue on ignition	≤ 0.15 %
Assay (on dry basis)	98.5 to 101.5 %
Total viable aerobic count	≤ 100 CFU/g
Moulds and yeasts	≤ 10 CFU/g
Salmonella	In 10 g n.d.
<i>Escherichia coli</i>	In 10 g n.d.
<i>Pseudomonas aeruginosa</i>	In 10 g n.d.
<i>Staphylococcus aureus</i>	In 10 g n.d.

CHEMICAL DATA

Formula: C₃H₇NO₂
CAS Number: 65-41-7



PACKAGING

25 kg Unit
Outer container: Fiber drum
Outer liner: LDPE
Inner liner: LDPE

STORAGE

Dry and dark at room temperature in tightly closed container

STABILITY

Product is stable for 4 years from date of production if stored under recommended conditions in original packaging.