

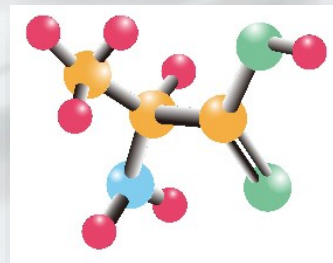
# L-Alanine

INCI Name: Alanine

CAS Numbers: 56-41-7

## Description:

Alanine is manufactured by the body and is classified as a non-essential amino acid. Alanine is utilized in clinical nutrition as a component for parenteral and enteral nutrition. It plays a major role in transferring nitrogen from tissue sites to the liver. Alanine is also used by the body to draw upon blood sugar as an energy source; this makes it useful for people who are attempting to reduce body fat levels. Alanine is also known to support prostate health.



## Technical Data:

Item	Specification
Appearance	White crystals or crystalline powder
Heavy Metals (Pb)	10ppm max
Chloride	0.05% max
Chromatographic Purity	0.5% max. any individual impurity; 2.0% max. total impurities
Other Amino Acids	Not detected
Residual Solvents	Meets USP Requirement
Residue on Ignition	0.15% max
Sulfate	0.02% max
Iron	30ppm max
Mesh Size	40 mesh
Assay	98.5~101.5%
Identification	Positive
Arsenic	1ppm max
Coliforms	Negative
E. Coli	Negative
Salmonella	Negative
Staphylococcus Aureus	Negative
Total Plate Count cfu/g	1,000 max
Yeast & Mold cfu/g	100 max
Cadmium	1ppm max
Mercury	1ppm max
Lead	1ppm max
Loss on Drying	0.2% max
Specific Rotation	+13.7°~+15.1°
pH Value	5.5~7.0

## Applications:

Alanine is used as a supplement when the body cannot produce it, usually due to decrease liver function. It is also used in parenteral and enteral nutrition.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

info@mckinleyresources.com • www.mckinleyresources.com