

Niutang L-Phenylalanine

FORMULA: C₉H₁₁NO₂

MOLECULAR WEIGHT: 165.20

FLASHPOINT: Not Applicable **CHEMICAL NAME:** (S)-2-Amino-3-Phenylpropionic Acid

DESCRIPTION:

L-Phenylalanine is an essential amino acid because the body requires it as a dietary source to meet physiological demands. A white to off-white powder that is soluble in water (1g/35ml), and slightly soluble in alcohol, dilute mineral acids and alkali hydroxide solutions. A 10 mg/ml solution has a pH between 5.4 to 6.0.

PACKAGING:

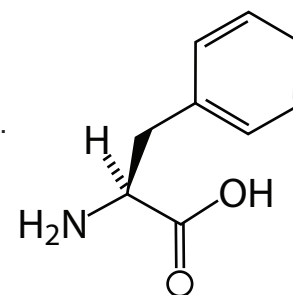
25 kg cardboard drums with two PE liner bags or as otherwise agreed upon.

SHIPPING & HANDLING:

Low humidity conditions are recommended to minimize caking/degradation potentials. Keep container tightly closed and inner bag sealed.

STORAGE:

L-Phenylalanine should be stored in a dry ambient environment. (Typically recommend temperature: 1°C to 35°C; Relative Humidity: <80%).



SHELF LIFE:

The shelf life of this material is 4 years from the date of manufacture if stored in ambient room temperature conditions. Product should be reevaluated if it exceeds expiration date.

SUGGESTED USES/APPLICATIONS

Pharmaceutical Intermediate
Nutritional Supplement
Vitamin Supplement

SPECIFICATIONS:

Test Item	Specification	Test method or Reference
Appearance	White to Off-White	Current FCC
pH (In Solution)	5.4 to 6.0	Current FCC
Lead	≤ 5 ppm	Current FCC
Loss on Drying (LOD)	≤ 0.2%	Current FCC
Assay (On Dry Basis)	98.5% to 101.5%	Current FCC
Residue on Ignition	≤ 0.1%	Current FCC
Specific Rotation (20°C)	-35.2° to -33.2°	Current FCC

FCC = Food Chemical Codex

LOT CODING:

Example Lot: 070475

07 = Year Manufactured: 2007

04 = Month Manufacture: April

75 = Batch manufactured: #75

CAS No. 63-91-2