

PRODUCT DATA

L-Leucine USP

L-Leucine meets all requirements of the United States Pharmacopeia (USP)

CHEMICAL AND PHYSICAL PROPERTIES [CAS No. 61-90-5]
(CH₃)₂CHCH₂CH(NH₂)COOH MW: 131.17

White, practically odorless, tasteless crystals.
Sparingly soluble in water; insoluble in ether.

SPECIFICATIONS

Specific rotation [α] _D ²⁵	: +14.9 ^m - +17.3 ^m
pH (1 in 100)	: 5.5 - 7.0
Loss on drying (105 ^m , 3 hrs)	: Not more than 0.2 %
Residue on ignition (as sulfate)	: Not more than 0.4 %
Chloride (Cl)	: Not more than 0.05 %
Sulfate (SO ₄)	: Not more than 0.03 %
Arsenic (As)	: Not more than 1.5 ppm.
Iron (Fe)	: Not more than 0.003%
Heavy metals (as Pb)	: Not more than 0.0015%
Organic Volatile Impurities	: Conforms by certification
Assay (dry basis)	: 98.5 % - 101.5 %

PACKING AND STORAGE

Fiber drum: 5, 50 kg net eight
Preserve in tight, light-resistant containers.