

# PRODUCT DATA SHEET

## L-LEUCINE USP

CAS No. [61-90-5]

M.W.: 131.18

Melting point	:	293 - 295°C (decomp.)
Boiling point	:	Not applicable
Density	:	1.293

### SPECIFICATIONS

Appearance	:	White, practically odorless, tasteless crystals
Identification	:	Pass test
Specific rotation $[\alpha]_{D_{25}}$	:	+14.9° - 17.3°
pH	:	5.5 - 7.0
Loss on drying	:	Not more than 0.2%
Residue on ignition	:	Not more than 0.4%
Chloride	:	0.05%
Sulfate	:	0.03%
Arsenic	:	Not more than 1.5 ppm
Iron	:	0.003%
Heavy metals	:	0.0015%
Organic volatile impurities	:	Meets USP requirements
Assay	:	Not less than 98.5%

**Packaging:** 10kg net plastic pail  
50kg net fiber drum

**Storage:**