

PRODUCT DATA SHEET

L-THREONINE USP

CAS No. [72-19-5]

M.W.: 119.12

Molecular Formula: C₄H₉NO₃

Melting point	:	255 - 257°C (decomp.)
Boiling point	:	Not applicable
Density	:	Not found

SPECIFICATIONS

Appearance	:	White, odorless crystals, having a slightly sweet taste
Identification	:	Infrared absorption
Specific rotation [α] _D ²⁵	:	26.7° - 29.1°
pH	:	5.0 - 6.5
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: