

Chem-Impex International, Inc.

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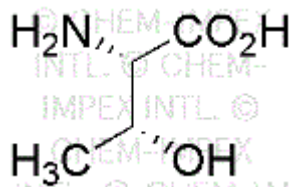
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	00282
Product	L-Threonine L-Thr-OH (2 <i>S</i> ,3 <i>R</i>)-2-Amino-3-hydroxybutyric acid
CAS Number	72-19-5
Molecular Formula	C ₄ H ₉ NO ₃
Molecular Weight	119.1
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Appearance	White crystals or crystalline powder
Anion	Chloride (Cl ⁻) : ≤ 0.05% Sulfate (SO ₄ ²⁻) : ≤ 0.03%
Cation	Iron (Fe) : ≤ 30 ppm
pH	5.0 - 6.5
Optical Rotation	[α] _D ²⁰ = -26.7 to -29.1 ° (C=50 mg/mL in water)
Loss on Drying	≤ 0.2% (105 °C, 3h)
Related Substances	Individual impurities : ≤ 0.5% Total impurities : ≤ 2%
Residue On Ignition	≤ 0.4%
Assay	98.5 - 101.5%
Grade	Meets USP Specification
Storage	Store at RT
Additional Information	Identification : Test for A : Infrared spectroscopy : Conforms to structure

For Laboratory Use Only