

## Product Datasheet

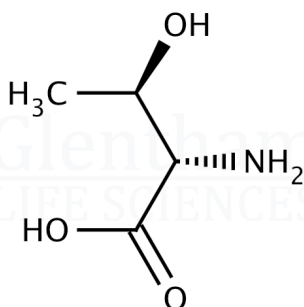
### GM4509 - L-Threonine

#### Product Details

Product Name	L-Threonine
Glentham Code	GM4509
CAS Number	72-19-5
EINECS	200-774-1
MDL Number	MFCD00064270
PubChem SID	310280944
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture, Cosmetic Raw Materials

#### Structure

Molecular Weight	: 119.12
Molecular Formula	: C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>



Physical Description	: White or almost white crystalline powder or flakes
Assay	: 99.0 - 101.0 %
Chloride (Cl)	: ≤ 0.02%
Ammonium (NH <sub>4</sub> )	: ≤ 0.02%
Sulphate (SO <sub>4</sub> )	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Heavy Metals	: ≤ 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: ≤ 1ppm
Loss on Drying	: ≤ 0.2%
pH	: EP, USP: 5.0 - 6.5, AJI: 5.2 - 6.2
Specific Optical Rotation	: EP, AJI: -29.0 to -27.6 °, USP: -29.1 to -26.7 °
Lead (Pb)	: ≤ 3ppm
Mercury (Hg)	: ≤ 0.1ppm
Cadmium (Cd)	: ≤ 1ppm
Any Individual Impurity	: ≤ 0.5%
Total Impurities	: ≤ 2.0%
Residue on Ignition	: ≤ 0.10%
Pharmacopoeia Specification(s)	: Conforms to EP, USP, AJI
Version	: v1.0

#### About L-Threonine

No further details on record.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

#### Glentham Product Specification

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