

## Product Datasheet

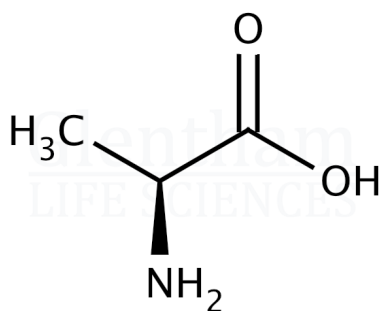
### GM0361 - L-Alanine, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Alanine, GlenCell™, suitable for cell culture
Glentham Code	GM0361
CAS Number	56-41-7
EINECS	200-273-8
MDL Number	MFCD00064410
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture, Enzyme Substrates

#### Structure

Molecular Weight	: 89.09
Molecular Formula	: C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

#### Glentham Product Specification

Physical Description	: White crystals or crystalline powder
Identification	: IR
Solubility (10% in water)	: Clear, colourless solution
Transmittance	: ≥ 98.0%
Specific Optical Rotation	: +14.3 - +15.2 °
Chloride (Cl)	: ≤ 0.02%
Ammonium (NH <sub>4</sub> )	: ≤ 0.02%
Sulphate (SO <sub>4</sub> )	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Heavy Metals (as Pb)	: ≤ 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: ≤ 1ppm
Any Unspecified Impurity	: ≤ 0.1%
Total Impurities	: ≤ 0.5%
Residue on Ignition	: ≤ 0.1%
Loss on Drying	: ≤ 0.2%
pH (10% in water)	: 5.7 - 6.7
Endotoxins	: ≤ 6.0EU/g
Assay	: 99.0 - 101.0 % (dried basis)
Origin	: Non-animal origin
Version	: v1.0

#### About L-Alanine, GlenCell™, suitable for cell culture

Alanine is an alpha-amino acid that is non-essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

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