

## Product Datasheet

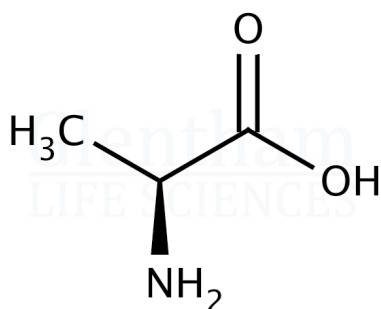
### GM7668 - L-Alanine

#### Product Details

Product Name	L-Alanine
Glenthams Code	GM7668
CAS Number	56-41-7
EINECS	200-273-8
MDL Number	MFCD00064410
PubChem SID	310265934
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture, Enzyme Substrates, Cosmetic Raw Materials

#### Structure

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



Physical Description	: White crystalline powder
pH	: 5.7 - 6.7
Specific Optical Rotation	: 13.5 - 15.5 °
Ammonium (NH <sub>4</sub> )	: ≤ 0.02%
Sulphate (SO <sub>4</sub> )	: ≤ 0.03%
Chloride (Cl)	: ≤ 0.02%
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: ≤ 1ppm
Iron (Fe)	: ≤ 10ppm
Lead (Pb)	: ≤ 3ppm
Cadmium (Cd)	: ≤ 1ppm
Mercury (Hg)	: ≤ 0.1ppm
Sulphated Ash	: ≤ 0.1%
Loss on Drying	: ≤ 0.2%
Assay	: 98.5 - 101.0 %
Pharmacopoeia Specification(s)	: Conforms to EP
Version	: v1.0

#### About L-Alanine

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.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

#### Glenthams Product Specification

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