

## Product Datasheet

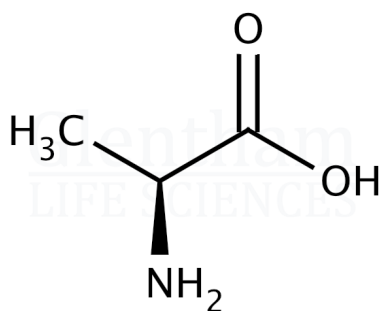
### GM7668 - L-Alanine

#### 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	: $C_3H_7NO_2$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

#### Glenthams Product Specification

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.

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2024