

Product Datasheet

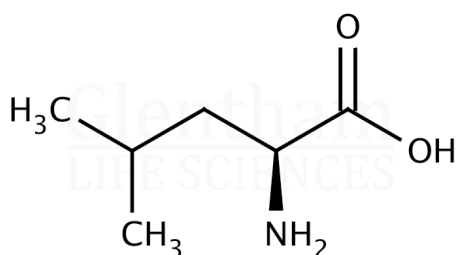
GM6205 - L-Leucine

Product Details

Product Name	L-Leucine
Glenthams Code	GM6205
CAS Number	61-90-5
EINECS	200-522-0
MDL Number	MFCD00002617
PubChem SID	310275745
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture, Reagents for Western Blotting

Structure

Molecular Weight	: 131.18
Molecular Formula	: C ₆ H ₁₃ NO ₂



Physical Description	: White to almost white crystals or crystalline powder
Identification (IR)	: To conform to standard
pH (1% in water)	: 5.5 - 7.0
Specific Optical Rotation ([α] ₂₀ /D)	: +14.9 - +17.3 ° (c=4, 6N HCl)
Residue on Ignition	: ≤ 0.1%
Loss on Drying	: ≤ 0.2% (105°C, 3h)
Any Individual Impurity (TLC)	: ≤ 0.5%
Total Impurities (TLC)	: ≤ 2.0%
Chloride (Cl)	: ≤ 0.05%
Sulphate (SO ₄)	: ≤ 0.03%
Iron (Fe)	: ≤ 30ppm
Heavy Metals	: ≤ 15ppm
Lead (Pb)	: ≤ 3ppm
Arsenic (As)	: ≤ 1ppm
Cadmium (Cd)	: ≤ 1ppm
Mercury (Hg)	: ≤ 0.1ppm
Assay (Titration)	: 98.5 - 101.5 % (dried basis)
Pharmacopoeia Specification(s)	: USP
Version	: v1.2

About L-Leucine

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.

Glenthams Product Specification

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