

L-Leucine

GRM054

Product Identifier

CAS No.	:	61-90-5
EC No.	:	200-522-0
Molecular Formula	:	C ₆ H ₁₃ NO ₂
Molecular Weight	:	131.17
Synonym	:	L-2-Amino-4-methylpentanoic acid
HS Code	:	2922 49 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to off-white crystals or powder or shiny flakes
Solubility	:	33.3 mg soluble in 1 mL of dilute hydrochloric acid
pH (1% solution at 25°C)	:	6.50 - 7.50
FTIR	:	Matches with the standard pattern
Specific rotation	:	+14.0° to +17.3° (c = 4% in 6 M HCl at 25°C)
Chloride (Cl)	:	<= 0.05%
Iron (Fe)	:	<= 0.003%
Sulphate (SO ₄)	:	<= 0.03%
Assay (HPLC/NT)	:	99.00 - 102.00%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	OH2850000
WGK	:	1