

Department: Quality Control

Document No: LCPL/QSD/QAD/11

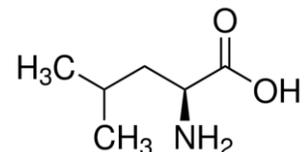
SOP No.: SOP/QC/11-L016

**SPECIFICATION : L-LEUCINE LR**

Issue date	16/04/2018	Review date	15/04/2023	Location	Dobaspet
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**PRODUCT DETAILS**

1	Molecular Formula	$(\text{CH}_3)_2\text{CHCH}_2\text{CH}(\text{NH}_2)\text{CO}_2\text{H}$
2	Product code	L016
3	Molecular weight	131.17
4	CAS No	61-90-5
5	Risk Statement No	---
6	Safety Statement No	24/25
7	UN No.	---



**PACKING DETAILS**

	Product code	Pack size
1	L01603	5g
2	L01605	25g
	L01610	500g

**PRODUCT SPECIFICATION**

**SL. No. TEST PARAMETERS**

1	Description
2	Assay
3	pH of 1% solution
4	Specific optical rotation 20/D
5	Insoluble matter in HCl 1 mol/L
6	Ammonium ( $\text{NH}_4$ )
7	Chloride (Cl)
8	Sulphate ( $\text{SO}_4$ )
9	Iron (Fe)
10	Lead (Pb)
11	Heavy metals (as Pb)
12	Foreign amino acids
13	Loss on drying (at 105°C)
14	Residue on ignition (as $\text{SO}_4$ )

**LIMITS**

A White crystalline powder.
Not more than 99.0%
Between 5.5 and 7.0
Between +14.9° and 17.3°
Passes test
Not more than 0.02%
Not more than 0.05%
Not more than 0.03%
Not more than 0.003%
Not more than 0.001%
Not more than 0.0015%
Not more than 0.5%
Not more than 0.2%
Not more than 0.4%

**SAFETY SYMBOLS**