

Department: Quality Control

Document No: LCPL/QSD/QAD/11

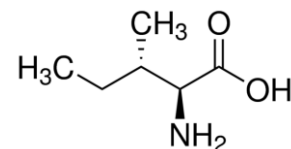
SOP No.: SOP/QC/11-L007

SPECIFICATION : L-ISOLEUCINE LR

| | | | | | |
|--------------|------------|-------------|------------|----------|----------|
| Issue date | 16/04/2018 | Review date | 15/04/2023 | Location | Dobaspet |
| Version No.: | 00 | Supersedes | -- | Page No | 1 of 2 |

PRODUCT DETAILS

| | | |
|---|---------------------|-------------------------------|
| 1 | Molecular Formula | $C_2H_5CH(CH_3)CH(NH_2)CO_2H$ |
| 2 | Product code | L007 |
| 3 | Molecular weight | 131.17 |
| 4 | CAS No | 73-32-5 |
| 5 | Risk Statement No | --- |
| 6 | Safety Statement No | 24/25 |
| 7 | UN No. | --- |



PACKING DETAILS

| | | |
|---|--------------|-----------|
| | Product code | Pack size |
| 1 | L00705 | 25 g |
| 2 | L00707 | 100 g |

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

| | |
|----|--|
| 1 | Description |
| 2 | Assay |
| 3 | Specific optical rotation $\alpha_{25/D}$, 40g/l HCl 6 mol/(calc.on dried substance) |
| 4 | pH (1% CO ₂ Free water) |
| 5 | Chloride (Cl) |
| 6 | Sulphate (So ₄) |
| 7 | Iron (Fe) |
| 8 | Heavy metals (as Pb) |
| 9 | Ammonium (NH ₄) |
| 10 | Foreign amino acids |
| 11 | Other ninhydrin-positive substance (as glycine) |

LIMITS

| |
|---------------------------|
| White powder. |
| Not less than 99.0% |
| Between +38.9° and +41.8° |
| Between 5.5 and 7.0 |
| Not more than 0.02% |
| Not more than 0.03% |
| Not more than 0.001% |
| Not more than 0.001% |
| Not more than 0.02% |
| Not more than 0.5% |
| Not more than 0.1% |

SAFETY SYMBOLS