# SPECIFICATION SHEET

Ryze Chemie

| PRODUCT DETAILS | |
|---|---|
| **L-Leucine for biochemistry** | |
| CAS No. | 61-90-5 |
| Molecular Formula | C6H13NO2 |
| Molecular Weight | 131.17 |
| Product Code | 510563G025 |
| Grade | Biochemistry |
| Specification no. | S/0563/51/R1 |
| Effective date | 01/05/2026. |
| Review date | 30/04/2031. |

| TEST | SPECIFICATION |
|---|---|
| Description | A white crystalline powder. |
| Solubility | Soluble in diluted mineral acids and in alkaline solution. |
| Assay | Min. 99.00% |
| Specific Rotation (α)20°D (C=2%,in 5N HCl) | +14° to +15° |
| Loss on drying at 110°C | max 0.5% |
| Sulphated ash | max 0.1% |
| Chloride (Cl) | max 0.01% |
| Sulphate (SO4 ) | max 0.01% |
| Iron (Fe) | max 0.0005%. |
| Lead (Pb) | max 0.001% |