

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-PHENYLALANINE FOR BIOCHEMISTRY

| | | | |
|-------------------------|--|---------------------|-------------|
| CAS No | : 63-91-2 | Product code | : 16780 |
| Mol. Formula | : C ₉ H ₁₁ NO ₂ | Batch No. | : MCR-32898 |
| Mol. WT | : 165.19 | Mfd. | : Jan. 2025 |
| Date of analysis | : 10/01/25 | Exp. | : Dec. 2029 |

| S.R | Test | Specification | Observation |
|-----|--|--|----------------------------------|
| 1 | Description | White to almost white or off white powder or crystalline powder. | Almost white crystalline powder. |
| 2 | Assay (HClO₄ titration) | 99 % w/w min | 99.33%w/w |
| 3 | Heavy metals (as Pb) | 0.001% max | < 0.001% |
| 4 | Loss on drying at 110°C | 0.5% max | 0.23% |
| 5 | Specific rotation [n]²⁰_D(C=2,water) | - 35 to -33 ⁰ | - 34.97 ⁰ |

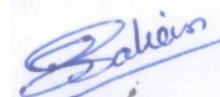
REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Durvas)**

[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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