



CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-PHENYLALANINE FOR BIOCHEMISTRY

| | | | |
|-------------------------|--|---------------------|--------------------|
| CAS No | : 63-91-2 | Product code | : 16780 |
| Mol. Formula | : C₉H₁₁NO₂ | Batch No | : MCR-24832 |
| Mol. WT | : 165.19 | Mfd. | : Jan. 2022 |
| Date of analysis | : 12/01/22 | Exp. | : Dec. 2026 |

| S.R | Test | Specification | Observation |
|-----|--|---|----------------------|
| 1 | Description | White to almost white powder or crystalline powder. | Almost White powder. |
| 2 | Assay (HClO₄ titration) | 99 % w/w min | 99.58%w/w |
| 3 | Heavy metals (as Pb) | 0.001% max | < 0.001% |
| 4 | Loss on drying at 110°C | 0.5% max | 0.46% |
| 5 | Specific rotation [n]²⁰_D(C=2,water) | - 35 to -33 ⁰ | - 34.74 ⁰ |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

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

Note: Computer generated image requires no sign.

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