

## Certificate of Analysis

Date of Testing: 2025-01-22 11:28:39

Date of Next Testing: 2029-01-21 11:28:39

Product Name: **L-Phenylalanine**

CAS Number: 63-91-2

Specifications & Purity: Moligand™, ≥99%

Lot #: A2517357

SKU #: **P110424**

Version: **1**

Analysis #: **466588**

Storage Temperature: Protected from light, Desiccated

| Parameter                                      | Limit Values                          | Result                                |
|------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity                                         | 99-100 (%)                            | 99.40 %                               |
| Loss on drying                                 | 0-0.3 (%)                             | 0.07 %                                |
| Pb measure                                     | 0-10 (ppm)                            | 2.00 ppm                              |
| PH                                             | 5.4-6                                 | 5.90                                  |
| Heavy metal (as Pb)                            | 0-20 (ppm)                            | 2.00 ppm                              |
| Sulfate Ash                                    | 0-0.1 (%)                             | 0.01 %                                |
| Specific rotation $[\alpha]_{20/D(c=2, H_2O)}$ | -35.5~-33.5 (°)                       | -33.50 °                              |
| Appearance (P110424)                           | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                              | Conforms to Structure                 | Conforms to Structure                 |



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