



CERTIFICATE OF ANALYSIS

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|-------------------------|----------|---|
| Product Name | : | L-PHENYLALANINE 99% FOR BIOCHEMISTRY |
| Code No. | : | 01983 |
| Batch No. | : | PC11221812 |
| Mfg. Date | : | NOV-2022 |
| Date Of Analysis | : | 22/11/2022 |
| Retest Date | : | OCT-2027 |

| TEST | SPECIFICATION | RESULT |
|--|--|--------------------------|
| Appearance | White or almost white crystalline powder | White crystalline powder |
| Assay (by HClO ₄ titration) | Min 99.0% | 99.22% |
| Specific optical rotation ([α] _D ²⁰ ; 20 g/L; water; calculated on dried substances) | -33.0° to -34.7° | -33.6° |
| Heavy metal (as Pb) | Max 0.001% | Less than 0.001% |
| Ammonium (NH ₄) | Max 0.01% | Less than 0.01% |
| Foreign amino acids | Max 0.3% | Less than 0.3% |
| Other ninhydrin positive substances (as glycine) | Max 0.1% | Less than 0.1% |

REMARK : This product complies as per the specifications of **Pallav Chemicals & Solvents Pvt. Ltd.**

This is an electronically generated Certificate and is valid without a signature.

For Issues relating to Quality you may send us a mail on sales@pallavchemicals.com or call on **022 4928 4000**

Website: www.pallavchemicals.com