



**SISCO
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Certificate of Analysis

| | |
|---------------------------------|---------------------------------------------------------------------|
| Product | 67602 - DL-Phenylalanine extrapure CHR, 99% - [150-30-1] |
| Batch No | 2210167 |
| Analysis Date | 29-May-2024 |
| Date of Manufacture | May 2024 |
| Expiry Date/Re-Test Date | May 2029 |
| Molecular Formula | C9H11NO2 |
| Molecular Weight | 165.19 |

| Test Parameters | Standards | Actual Results |
|--------------------------------------------------|---------------------------|--------------------|
| Appearance (Colour) | White to off white | Off white |
| Appearance (Form) | Crystalline powder | Crystalline powder |
| Solubility (Turbidity) 10% solution in 2N HCl | Clear | Clear |
| Solubility (Colour) 10% solution in 2N HCl | Colourless to pale yellow | Pale yellow |
| Assay (NT) | min. 99% | 99.5% |
| Loss on drying | max. 0.5% | 0.2% |
| Sulphated Ash | max. 0.1% | 0.06% |
| Chloride (Cl) | max. 0.01% | Passes |
| Sulphate (SO4) | max. 0.01% | Passes |
| Iron (Fe) | max. 0.001% | Passes |
| Heavy Metals (Pb) | max. 0.001% | Passes |
| Ammonium (NH4) | max. 0.02% | Passes |
| Homogeneity by TLC | Passes test | Passes |

FRM/82/11/4/67602 Rev No. 3 Date 25/07/2023

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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