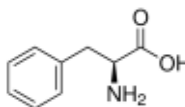


Certificate of Analysis

Product Name:

L-Phenylalanine - reagent grade, ≥98%

Product Number: P2126
Batch Number: BCCL0446
Brand: SIAL
CAS Number: 63-91-2
Formula: C₉H₁₁NO₂
Formula Weight: 165,19 g/mol
Quality Release Date: 10 NOV 2023
Recommended Retest Date: SEP 2028



| Test | Specification | Result |
|--|------------------------|-----------|
| Appearance (Color) | White to Off White | White |
| Appearance (Form) | Powder or Crystals | Powder |
| Purity (TLC) | ≥ 98 % | 100 % |
| Specific Rotation C= 2 in Water at 25 C | -34.7 - -32.7 deg | -32.8 deg |
| Solubility (Color) | Colorless | Colorless |
| Solubility (Turbidity) 50mg/ml in 1m Ammonium Hydroxide | Clear to Slightly Hazy | Clear |
| Carbon Content | 64.1 - 66.7 % | 65.4 % |
| Nitrogen Content | 8.2 - 8.8 % | 8.5 % |
| Infrared Spectrum | Conforms to Structure | Conforms |

Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

