

## Certificate of Analysis

Date of Testing: 2023-02-14 11:02:12  
Date of Next Testing: 2025-02-13 11:02:12  
Product Name: **4-Chloro-DL-phenylalanine**  
CAS Number: 7424-00-2  
Specifications & Purity:  $\geq 98.0\%$   
Lot #: E2114320  
SKU #: **C136727**  
Analysis: **187264**

| Parameter                                                                          | Limit Values                                             | Result                                                   |
|------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Purity(HPLC)                                                                       | 98-100 (%)                                               | 98.24300 %                                               |
| Appearance (C136727)                                                               | White to Off-White to Light yellow<br>Powder or Crystals | White to Off-White to Light yellow<br>Powder or Crystals |
| Infrared spectrum                                                                  | Conforms to Structure                                    | Conforms to Structure                                    |
| Proton NMR spectrum                                                                | Conforms to Structure                                    | Conforms to Structure                                    |
| Solubility in 1 N HCl , Colorless to Yellow Clear pass<br>to Slightly Hazy 50mg/ml |                                                          | Pass                                                     |



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QA & QC Manager