## **Chem-Impex International, Inc.**

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## Certificate of Analysis

| Catalogue Number  | 24270                          |
|-------------------|--------------------------------|
| Product           | Boc-4-Carboxyl-L-Phenylalanine |
| Lot Number        | 000424-221121-26712            |
| CAS Number        | 160063-50-3                    |
| Molecular Formula | $C_{15}H_{19}NO_{6}$           |
| Molecular Weight  | 309.32                         |
| -                 |                                |

| Appearance               | White powder                                              |
|--------------------------|-----------------------------------------------------------|
| Analysis by Mass Spectra | Conforms to standard                                      |
| <sup>1</sup> H NMR       | Conforms to structure                                     |
| Chiral HPLC              | 100% (ee)                                                 |
| <b>D-Enantiomer</b>      | Not detected                                              |
| Purity by HPLC           | 99.48%                                                    |
| Storage                  | Store at 0 - 8 °C                                         |
| Remarks                  | See material safety data sheet for additional information |
|                          | For laboratory use only                                   |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

litumer.

Bala Kumar Quality Control Manager