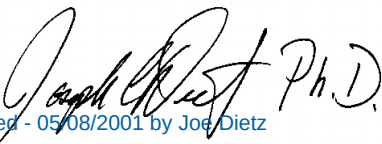


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## Certificate of Analysis

**Product Description:** L-Phenylalanine\_**Catalog Number:** 102623\_**Lot:** R4183\_**Formula:**  $C_9H_{11}NO_2$ **CAS #:** 63-91-2**Physical Description:** White Powder**Formula Weight:** 165.2**Storage:** Room Temperature

| Test                          | Specification           | Result               |
|-------------------------------|-------------------------|----------------------|
| Identity Test                 | Passes                  | Passes               |
| Purity                        | $\geq 99\%$             | 99.97%               |
| FTIR                          | Conforms to Standard    | Conforms to Standard |
| UV/VIS: □ max (water)         | $257 \pm 3$ nm          | 257.3 nm             |
| Optical Rotation (c=2, water) | $-35^\circ \pm 4^\circ$ | $-34.76^\circ C$     |

  
Approved - 05/08/2001 by Joe Dietz  
MP Biomedicals, LLC.  
Technical Director

This is an electronically generated document

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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