



青 岛 润 昌 化 工 有 限 公 司  
QINGDAO SAMIN CHEMICAL CO.,LTD.

## SPECIFICATION

|                       |                 |
|-----------------------|-----------------|
| Product Name          | L-Phenylalanine |
| CAS No                | 63-91-2         |
| Molecular Formula     | $C_9H_{11}NO_2$ |
| Specification Version | USP32           |
| Shelf Life            | 24months        |
| Package               | 25kg/drum       |

| ITEM                        | SPECIFICATION                        |
|-----------------------------|--------------------------------------|
| Appearance                  | White crystals or crystalline powder |
| Assay                       | 98.5% -- 101.5%                      |
| Specific rotation           | -32.7° to -34.7°                     |
| Chloride                    | $\leq 0.05\%$                        |
| Iron                        | $\leq 30\text{ppm}$                  |
| Heavy metals                | $\leq 20\text{ppm}$                  |
| Sulfate                     | $\leq 0.03\%$                        |
| Loss on drying              | $\leq 0.3\%$                         |
| Residue on ignition         | $\leq 0.4\%$                         |
| Lead                        | $\leq 1\text{ppm}$                   |
| Gravimetry                  | 0% retention in mesh 10              |
| Bulk density                | 0.57~1g/ml                           |
| Mesh                        | 80% 40~60mesh                        |
| <b>Microbiology Control</b> |                                      |
| Total plate count           | $\leq 1000\text{cfu/g}$              |
| Yeasts & Molds              | $\leq 100\text{cfu/g}$               |
| E.coli                      | Negative                             |

**Storage:** Store in cool and dry place, in a well-close container, keep away from strong light and heat.

**QINGDAO SAMIN CHEMICAL CO.,LTD.**

A718 Heda Plaza, 177 Tailiu Road, Qingdao, China  
Tel: +86 532 88960696 Fax: +86 53288960698  
contact@saminchemical.com www.saminchemical.com