

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

|                         |                                                |
|-------------------------|------------------------------------------------|
| <b>Catalogue Number</b> | 08027                                          |
| <b>Lot Number</b>       | 000127-1062978                                 |
| <b>Product</b>          | <b>DL-<math>\beta</math>-Phenyllactic acid</b> |

(RS)-2-Hydroxy-3-phenylpropionic acid

(RS)-3-Phenyllactic acid

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <b>CAS Number</b>        | 828-01-3                                      |
| <b>Molecular Formula</b> | C <sub>9</sub> H <sub>10</sub> O <sub>3</sub> |
| <b>Molecular Weight</b>  | 166.18                                        |

---

|                      |                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appearance</b>    | White powder                                                                                                                                                                                                                    |
| <b>Solubility</b>    | Clear, colorless solution (50mg/mL in 80% MeOH)                                                                                                                                                                                 |
| <b>Melting Point</b> | 96° C                                                                                                                                                                                                                           |
| <b>TLC System</b>    | Chloroform/Methanol/Toluene/Water (8:8:8:1)<br>Chloroform/Methanol/Acetic acid 32% (5:3:1)<br>chloroform/Methanol/Acetic acid (90:8:2)<br>Plate: silicagel 60 F <sub>254</sub><br>Detected by: UV, ninhydrin, chlorine-tolidine |
| <b>Assay</b>         | 100.8%                                                                                                                                                                                                                          |
| <b>Purity by TLC</b> | > 99%                                                                                                                                                                                                                           |
| <b>Storage</b>       | Store at RT                                                                                                                                                                                                                     |
| <b>Remarks</b>       | See material safety data sheet for additional information<br>For laboratory use only                                                                                                                                            |

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



**Bala Kumar**  
**Quality Control Manager**