

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                                    |                                                                                                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>            | 11662                                                                                                                                                                                   |
| <b>Product</b>                     | <b>L-2-Cyclohexylglycine trifluoroacetate</b><br><br>L-Chg-OH•TFA<br><br>H-L-Cyclohexyl-Gly-OH•TFA                                                                                      |
| <b>CAS Number</b>                  | 14328-51-9 (net)                                                                                                                                                                        |
| <b>Molecular Formula</b>           | C <sub>8</sub> H <sub>15</sub> NO <sub>2</sub>                                                                                                                                          |
| <b>Molecular Weight</b>            | 157.21                                                                                                                                                                                  |
| <b>Appearance</b>                  | White powder                                                                                                                                                                            |
| <b>Solubility</b>                  | Clear, colorless solution (10mg/mL in 80% Acetic acid)                                                                                                                                  |
| <b>Water Content (Karl Fisher)</b> | ≤ 1%                                                                                                                                                                                    |
| <b>TLC System</b>                  | n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2)<br>Chloroform/Methanol/Acetic acid 32% (5:3:1)<br>Plate: Silica gel 60 F <sub>254</sub><br>Detected by: UV, ninhydrin, chlorine-tolidine |
| <b>Optical Rotation</b>            | [α] <sub>D</sub> <sup>24</sup> = +29 ± 2° (C=1 in 1N HCl)                                                                                                                               |
| <b>Assay</b>                       | ≥ 96%                                                                                                                                                                                   |
| <b>Purity by TLC</b>               | ≥ 99%                                                                                                                                                                                   |
| <b>Storage</b>                     | Store at 0-8°C                                                                                                                                                                          |

**For Laboratory Use Only**