

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| <b>Catalogue Number</b>  | 15809                                                               |
| <b>Lot Number</b>        | 771367                                                              |
| <b>Product</b>           | <b>(S)-<math>\alpha</math>-(4-Trifluoromethylbenzyl)proline•HCl</b> |
| <b>CAS Number</b>        | 1217861-80-7                                                        |
| <b>Molecular Formula</b> | C <sub>13</sub> H <sub>14</sub> F <sub>3</sub> NO <sub>2</sub> •HCl |
| <b>Molecular Weight</b>  | 309.72                                                              |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appearance</b>       | White powder                                                                                                                                  |
| <b>Melting Point</b>    | Not well defined                                                                                                                              |
| <b>TLC System</b>       | Chloroform/Methanol/Acetic acid (90:8:2) Single spot<br>Chloroform/Methanol/Benezene/Water (8:8:8:1) Single spot<br>Visualized with UV/Iodine |
| <b>Optical Rotation</b> | [ $\alpha$ ] <sub>D</sub> <sup>25</sup> = +38.9° (C=1 in MeOH)                                                                                |
| <b>Purity by HPLC</b>   | 98%                                                                                                                                           |
| <b>Storage</b>          | Store at 0-8 °C                                                                                                                               |
| <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**