

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                                    |  |
|------------------------------------|--|
| <b>Catalogue Number</b>            | 04391  |
| <b>Product</b>                     | <b>Acetyl-DL-proline</b><br><br>Ac-DL-Pro-OH<br><br>( <i>RS</i> )-Acetyl-pyrrolidine-2-carboxylic acid |
| <b>CAS Number</b>                  | 1074-79-9  |
| <b>Molecular Formula</b>           | C <sub>7</sub> H <sub>11</sub> NO <sub>3</sub>   |
| <b>Molecular Weight</b>            | 157.2  |
| <hr/>                              |  |
| <b>Appearance</b>                  | White to off-white powder  |
| <b>Solubility</b>                  | Clear, solution (0.3 gram in 2 mL DMF)   |
| <b>Melting Point</b>               | 101-106 °C   |
| <b>Water Content (Karl Fisher)</b> | ≤ 1%   |
| <b>Infrared Spectrum</b>           | Conforms to structure  |
| <b>Analysis by Mass Spectra</b>    | Conforms to structure  |
| <b>Loss on Drying</b>              | ≤ 1% (40 °C, 2 h)  |
| <b><sup>1</sup>H NMR</b>           | Conforms to structure  |
| <b>Purity by HPLC</b>              | ≥ 99.5%  |
| <b>Storage</b>                     | Store at 0-8°C   |

**For Laboratory Use Only**