

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 11435  
**Lot Number** LV0055-0305-01  
**Product** **(2S,4R)-4-Fluoro-pyrrolidine-2-carboxylic acid**

*trans*-4-Fluoro-L-Pro-OH

*trans*-4-Fluoro-L-proline

**CAS Number** 2507-61-1  
**Molecular Formula** C<sub>5</sub>H<sub>8</sub>FNO<sub>2</sub>  
**Molecular Weight** 133.12

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**Appearance** Off-white solid  
**Solubility** Clear Solution (1g/10 ml H<sub>2</sub>O)  
**Melting Point** 236.8 °C (dec)  
**Optical Rotation** [α]<sub>D</sub><sup>27</sup> = -79.8° (C=1.3 in H<sub>2</sub>O)  
**<sup>13</sup>C NMR** Conforms to structure  
**<sup>19</sup>F NMR** Conforms to structure  
**<sup>1</sup>H NMR** conforms to structure  
**Purity by HPLC** 98.1%  
**Storage** Store at 2-8 °C  
**Remarks** See material safety data sheet for additional information  
For laboratory use only

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



**Bala Kumar**  
Quality Control Manager