

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03888
<b>Product</b>	<b>Z-L-proline amide</b>
<b>Lot Number</b>	001840-138170411001 Z-L-Pro-NH <sub>2</sub>  (S)-Z-pyrrolidine-2-carboxylic acid amide
<b>CAS Number</b>	34079-31-7
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	248.28

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<b>Appearance</b>	White crystals
<b>Water Content (Karl Fisher)</b>	0.03%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 37.6 ° (C=1 in CH <sub>3</sub> OH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Related Substances</b>	CBZ-D-Prolinamide: Not detected L-Prolinamide: Not detected
<b>Assay</b>	99.2%
<b>Purity by HPLC</b>	99.3%
<b>Storage</b>	Store at 0-8°C
<b>Remarks</b>	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