

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Product</b>	<b>D-pyroglutamic acid amide</b>
<b>Lot Number</b>	003259-2021-12-27
	D-Pyro-Glu-Amide
	H-D-Pyro-Glu-NH <sub>2</sub>
<b>CAS Number</b>	118929-65-0
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	128.1
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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sup>D</sup> <sub>20</sub> = 18.2 ± 2 ° (C=1 in H <sub>2</sub> O)
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	> 97% (NMR)
<b>Storage</b>	Store at 2 - 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