

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	30708
<b>Product</b>	<b><i>N</i><sup>γ</sup>-Z-L-2,4-diaminobutyric acid</b>
<b>Lot Number</b>	002494-2018-12-02 L-Dab(Z)-OH
<b>CAS Number</b>	2130-77-0
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	252.3

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<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +7.6 ± 2° (C=1 in 0.5N NaOH)
<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 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