

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	02133
<b>Product</b>	<b><i>N</i><sup>α</sup>-<i>Z</i>-<i>N</i><sup>ω</sup>-nitro-<i>L</i>-arginine</b>
	Z-L-Arg(NO <sub>2</sub> )-OH
<b>CAS Number</b>	2304-98-5
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>19</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight</b>	353.3

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 ml DMF)
<b>Melting Point</b>	145 - 149 °C
<b>Water Content (Karl Fisher)</b>	≤ 1.0%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 4 ± 1 ° (C=3 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1.0% (50°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**