



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## *Certificate of Analysis*

<b>Catalogue Number</b>	04-296
<b>Lot Number</b>	000127-1035492
<b>Product</b>	<b>L-Arginine amide dihydrochloride</b>
	L-Arg-NH <sub>2</sub> •2HCl
<b>CAS Number</b>	14975-30-5
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>15</sub> N <sub>5</sub> O•2HCl
<b>Molecular Weight</b>	246.2

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (25mg/mL in Methanol)
<b>Water Content (Karl Fisher)</b>	6.9%
<b>TLC System</b>	n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2) Isopropanol/Ammonia conc. (1:1) Ethylacetate/Pyridine/Acetic acid/H <sub>2</sub> O (60:60:12:36) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +16.0 ° (C=1 in H <sub>2</sub> O), Corrected for assay
<b>Related Substances</b>	< 0.2% H-Arg-OMe•2 HCl
<b>Assay</b>	93.3% (Elemental analysis, Nth 28.45%, Nfd 25.55%)
<b>D-Enantiomer</b>	< 0.1%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8°C