

# Chem-Impex International, Inc.

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	36929
<b>Product</b>	<b>L-Histidine hydrochloride monohydrate, non</b>
<b>Lot Number</b>	000531-22010768
	L-His-OH•HCl•H <sub>2</sub> O
<b>CAS Number</b>	5934-29-2
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> •HCl•H <sub>2</sub> O
<b>Molecular Weight</b>	209.6

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<b>Appearance</b>	White crystals
<b>Heavy Metals</b>	< 5 ppm (as Pb)
<b>Anion</b>	Chloride (Cl) : 16.9% Sulfate (SO <sub>4</sub> ) : < 0.020%
<b>Cation</b>	Ammonium (NH <sub>4</sub> ) : < 0.02% Iron (Fe) : < 10 ppm Arsenic : < 1 ppm
<b>pH</b>	3.8
<b>Yeast and Mold</b>	< 10 cfu/g
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 9.9 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Transmission</b>	State of solution : 99.9% (T%), Clear and colorless solution
<b>Loss on Drying</b>	8.7%
<b>E. Coli</b>	Negative/ g
<b>Endotoxin Test</b>	< 3 EU/g
<b>Microbial Count</b>	< 100 cfu/g (TAMC)
<b>Related Substances</b>	Unspecified impurity : 0.0% Total impurities : 0.0%
<b>Residue On Ignition</b>	0.03%
<b>Assay</b>	100% (Dried basis)
<b>Grade</b>	EP, JP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : Passes test

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**Remarks**

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**