

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	00180
<b>Product</b>	<b>D-Histidine hydrochloride monohydrate</b>
	D-His-OH·HCl·H <sub>2</sub> O
<b>CAS Number</b>	6341-24-8
<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
<b>Appearance</b>	White to off-white powder
<b>TLC System</b>	System 1: Butanol / acetic acid / water : (4:1:1) Chloride / starch / potassium iodide development System 2 : Ethylacetate / butanol / acetic acid / water : (2:1:1:1) Ninhydrin development
<b>Optical Rotation</b>	[α] <sub>D</sub> = - 9 ± 2° (C = 1 in 6N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at RT

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**For Laboratory Use Only**