

# Specification

## Technical Data Sheet

<b>Product Name</b>	L-Histidine monohydrochloride monohydrate
<b>Product No</b>	41915465
<b>CAS Number</b>	5934-29-2
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	209.63
	<b>Specification</b>
<b>Appearance</b>	White crystalline powder
<b>Heavy metals</b>	≤ 10ppm
<b>Loss on Drying</b>	≤ 0.2%
<b>pH</b>	3.0 - 5.0
<b>Assay</b>	98.5 - 101.0 %
<b>Chloride (Cl)</b>	16.66 - 17.08%
<b>Iron (Fe)</b>	≤ 10ppm

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**Residue on Ignition**

$\leq 0.1\%$

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**Specific optical rotation**

+8.5 to +9.5°

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**State of Solution**

$\geq 98.0\%$

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**Sulfate (SO<sub>4</sub>)**

$\leq 0.020\%$

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**Ammonium (NH<sub>4</sub>)**

$\leq 0.02\%$

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**Arsenic (As)**

$\leq 1\text{ppm}$

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**Identification (IR)**

Conforms to reference

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