

# Chem-Impex International, Inc.

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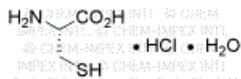
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications



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<b>Catalogue Number</b>	00085
<b>Product</b>	<b>L-Cysteine hydrochloride monohydrate</b> L-Cys-OH•HCl•H <sub>2</sub> O (R)-2-Amino-3-mercaptopropionic acid hydrochloride monohydrate
<b>CAS Number</b>	7048-04-6
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S•HCl•H <sub>2</sub> O
<b>Molecular Weight</b>	175.63

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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	≤ 15 ppm
<b>Anion</b>	Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : ≤ 0.03%
<b>Cation</b>	Iron (Fe) : ≤ 30 ppm
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 5.7 - 6.8 °
<b>Loss on Drying</b>	8 - 12%
<b>Related Substances</b>	Individual impurities : ≤ 0.5% Total impurities : ≤ 2%
<b>Residue On Ignition</b>	≤ 0.4%
<b>Assay</b>	98.5 - 101.5% (on dried basis)
<b>Grade</b>	Meets USP Specification
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : Test for infrared spectrum : Conforms to structure

**For Laboratory Use Only**