

# Chem-Impex International, Inc.

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Manufacturing site:

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## Certificate of Analysis

<b>Catalogue Number</b>	29880
<b>Product</b>	<b>Acetyl-L-cysteine, from Non-animal source</b>
<b>Lot Number</b>	002547-6004-244
	Ac-L-Cys-OH
	(R)-2-Acetamido-3-mercaptopropionic acid
<b>CAS Number</b>	616-91-1
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> S
<b>Molecular Weight</b>	163.2

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<b>Appearance</b>	White crystals or crystalline powder
<b>Melting Point</b>	109 °C
<b>pH</b>	2.3
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = 23 °
<b>Loss on Drying</b>	0.0%
<b>Organic Volatile Impurities</b>	Acetic acid : < 0.05%
<b>Residue On Ignition</b>	0.0%
<b>Assay</b>	99.6% (On dried basis)
<b>Grade</b>	Meets USP specification (Manufactured as per GMP)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : Test for A : Infrared spectrum : Conforms to structure
<b>Remarks</b>	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