

Chem-Impex International, Inc.

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825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	00839
Lot Number	001192-120723
Product	Acetyl-L-cysteine
	Ac-L-Cys-OH
	(R)-2-Acetamido-3-mercaptopropionic acid
CAS Number	616-91-1
Molecular Formula	C ₅ H ₉ NO ₃ S
Molecular Weight	163.2

Appearance	White crystals or crystalline powder
Melting Point	107-109 °C
Heavy Metals	< 10 ppm
Arsenic (As₂O₂)	< 1 ppm
Anion	Chloride (Cl ⁻): < 0.040% Sulfate (SO ₄ ²⁻): < 0.030%
Cation	Ammonium (NH ₄): < 0.20% Iron (Fe): < 10 ppm
pH	2.2
Optical Rotation	[α] _D ²⁰ = +24.0°
Transmission	99.1%
Loss on Drying	0.25%
Other Amino Acids	Chromatographically not detectable
Residue On Ignition	0.06% (sulfated)
Assay by titration	99.5%
Storage	Store at RT

Certificate of Analysis

Catalog Number: 00839

Lot Number: 001192-120723

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager