

Certificate of Analysis

Product Name:	N-Acetyl-L-Cysteine	Batch Number:	Varies
CAS No.	616-91-1	Manufacture Date:	Varies
Molecular Formula:	C₅H ₉ NO₃S	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		98.0 - 102.0%	99.40 - 99.62%
Physical	Appearance	White crystals or crystalline powder	Complies
	Specific rotation [a]D20°	+21° - +27°	+25.08 - +25.74°
	Loss on drying	≤ 1.0%	0.03 - 0.04%
	State of solution (Transmittance)	≥ 98%	99.3 - 99.5%
	Residue on ignition	≤ 0.5%	0.07 - 0.1%
	pH value	2.0 - 2.8	2.4 - 2.5
	Sulfate (SO4)	≤ 0.03%	0.02%
Chemical	Iron (Fe)	≤ 20 ppm	5 ppm

Else	Storage condition	Sealed, kept in shady and dry place	
	Shelf life	Three years	

