

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **N-Acetyl-L-Cysteine**
Specifications & Purity: USP,EP,≥98.5%
SKU # **A105421**

Parameter	Limit Values
Assay	98.5-100 (%)
Loss on drying	0-1 (%)
Total impurities	0-0.5 (µg/kg OR ng/g)
Other impurities	0-0.5 (%)
n,n'diacetyl-l-cystine	0-0.5 (%)
Ignition Residue (as sulfate)	0-0.2 (%)
Endonuclease Detection	0-0.1 (EU/g)
Specific Rotation [α] ₂₀ /D(c=5 in Phosphate buffered saline)	21.3-27 (°)
Heavy metal (as Pb)	0-10 (ppm)
n,s-diacetyl-l- cysteine	0-0.5 (%)
l-cystine	0-0.5 (%)
Zinc(Zn)	0-10 (ppm)
PH test	2-2.8
l-cysteine	0-0.5 (%)
Appearance (A105421)	white crystalline powder
biochemical toxicity	passes
Infrared spectrum	Conforms to Structure
Solubility in H ₂ O , 0.5 G /10 ML in water, clear, colorless	pass
volatile organic substances	pass