

CERTIFICATE OF ANALYSIS

N-ACETYL L-CYSTEINE (NAC) POWDER

Product Name: N-Acetyl L-Cysteine (NAC) Powder

Chemical Name: N-Acetyl-L-Cysteine

CAS No.: 616-91-1

Molecular Formula: C₅H₉NO₃S

Molecular Weight: 163.19 g/mol

Grade: Cosmetic Raw Material

Lot/Batch No.: BPCNAC102026

Expiry/Retest Date: October 2029

Country of Origin: USA

Test Item	Specification	Result
Appearance	White Powder	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Purity	99%	Conforms
Loss on Drying	≤5.0%	Conforms
Ash	≤5.0%	Conforms
Particle Size	95% pass 80 mesh	Conforms
Allergens	None	Conforms

CHEMICAL CONTROL

Test Item	Specification	Result
Heavy Metals	NMT 10 ppm	Conforms
Arsenic (As)	NMT 2 ppm	Conforms
Lead (Pb)	NMT 2 ppm	Conforms
Cadmium (Cd)	NMT 2 ppm	Conforms
Mercury (Hg)	NMT 2 ppm	Conforms

MICROBIOLOGICAL CONTROL

Test Item	Specification	Result
Total Plate Count	10,000 CFU/g Max	Conforms
Yeast & Mold	1,000 CFU/g Max	Conforms
<i>E. coli</i>	Negative	Negative
<i>Salmonella</i>	Negative	Negative

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