

Specification Sheet

Product Name:	N-Acetyl-L-Cysteine	Country of Origin:	China
Manufacture Date:	10/19/2025	Batch Number:	NAC-251019
Expire Date:	10/18/2027	CAS No.:	616-91-1

Item	Specification	Result	Method
Appearance	White crystals or crystalline powder	Conforms	Visual
Identification	Meet the requirements	Conforms	Infrared Absorption
Specific rotation [α] _{D20}	+21.3° ~ +27.0°	+23.6°	AJI TEST 1
State of solution	≥98.0%	98.8%	AJI TEST 2
Chloride (Cl)	≤0.04%	<0.04%	AJI TEST 3
Ammonium (NH ₄)	≤0.02%	<0.02%	AJI TEST 4
Sulfate (SO ₄)	≤0.030%	<0.030%	AJI TEST 5
Iron (Fe)	≤20ppm	<20ppm	AJI TEST 6
Heavy metals (Pb)	≤10ppm	<10ppm	AJI TEST 7
Arsenic (As ₂ O ₃)	≤1ppm	<1ppm	AJI TEST 8
Other amino acids	Chromatographically not detectable	Conforms	AJI TEST 10
Loss on drying	≤0.5%	0.20%	AJI TEST 11
Residue on ignition	≤0.20%	0.06%	AJI TEST 13
Assay	98.5~101.0%	99.68%	AJI TEST 16
pH	2.0~2.8	2.3	AJI TEST 33
Melting point	106~110°C	108.2~108.7°C	AJI TEST 36

Conclusion: This Batch Is Conforming With The Standard of AJI92.



Approved By:

Allergen Statement

We hereby certify that our product does not contain, nor is it derived from, any of the known allergens listed in Directive 2007/68/EC (amending Annex IIIa to Directive 2000/13/EC) and the U.S. Food Allergen Labeling and Consumer Protection Act of 2004.

- Egg or any of its derivatives, including but not limited to, frozen yolk, egg white powder, and egg protein isolates.
- Milk or any of its derivatives, including but not limited to, milk caseinate, whey and yoghurt products.
- Peanuts or any of its derivatives, including pieces, butters, oils, flours or proteins.
- Seafood/Seafood-based products including but not limited to fish or any of its derivatives, including fish proteins or extracts. Shellfish, mollusks or any of their derivatives.
- Seeds (cottonseed, poppyseed, sesame seed, sunflower seed or legumes or any oils derived from these products)
- Soybean or its derivatives, including oils, tofu, protein isolates and lecithin.
- Monosodium glutamate, sulphites, sulfur dioxide or sodium metabisulfites.
- Tree Nuts which include almonds, brazil nuts, cashews, hazelnuts, macadamia nuts, pecans, pine nuts, pistachio nuts, and walnuts, or any derivatives of these nuts including pieces, butters, oils, flours or proteins.
- Wheat or gluten, including gluten from barley, bulgur, couscous, kamut, oats, rye, semolina, spelt, triticale, and their derivatives, either as grain or flour.
- Beef Bone Meal (Dust)
- Animal Fats
- Celery Root

For further information, please feel free to contact us at hello@bulkvitamins.eu.

Signature:



Date: 11/18/2025