

CERTIFICATE OF ANALYSIS

Product Name	N-Acetyl-L-Cysteine	Batch NO.	PY-NAC20200621
Quantity	1000KG	Analysis Date	Jun.24,2020
Mfg. Date	Jun.21,2020	Exp. Date	Jun.20,2022
Package	25kg/Drum	Standard	AJI92

No.	Item	Specification	Result
1.	Appearance	White crystals or crystalline powder	White crystalline power
2.	Assay	98.5%~101.0%	99.5%
3.	pH	2.0~2.8	2.3
4.	Specific Rotation	+21.3°~ +27.0°	+23.9°
5.	Melting Point	106°~ 110°	108°
6.	State of Solution	≥98.0%	98.6%
7.	Chloride (Cl)	≤0.04%	<0.04%
8.	Ammonium(NH ₄)	≤0.02%	<0.02%
9.	Sulfate (SO ₄)	≤0.030%	<0.030%
10.	Iron (Fe)	≤20ppm	<20ppm
11.	Heavy Metals (Pb)	≤10ppm	<10ppm
12.	Arsenic(As ₂ O ₃)	≤1ppm	<1ppm
13.	Loss on Drying	≤0.5%	0.30%
14.	Residue on Ignition	≤0.20%	0.08%
15.	Organic Amino Acids	Meets the requirements	Complies
16.	Conclusion	Conform with AJI92 Standard.	

Analyst: xuli

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