



Certificate of Analysis

47 W Polk St. STE 100-241
Chicago, IL 60605
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LiftMode

NACET

 (N-Acetyl L-Cysteine Ethyl Ester)

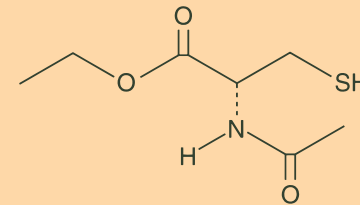
Material Lot #: 20201215 Test Date: 03/19/2021
Country of Origin: China Re-Test Date: 03/16/2024

Analysis	Claim	Result
N-Acetyl L-Cysteine Ethyl Ester	≥96%	97.5%

Test	Specification	Result
Identification (H-NMR)	Conforms to Structure	Conforms
Purity (HPLC)	≥96%	97.5%
Lead (ICP-MS)	≤0.5ppm	0.033 ppm
Mercury (ICP-MS)	≤0.5ppm	0.006 ppm
Cadmium (ICP-MS)	≤0.5ppm	0.001 ppm
Arsenic (ICP-MS)	≤0.5 ppm	0.002 ppm
Total Aerobic Plate Count	<1000 cfu/g	<1000 cfu/g
Yeast & Mold	<100 cfu/g	<100 cfu/g
Escherichia coli	Negative	Negative
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Negative	Negative

NACET should be stored at or below room temperature in a tightly sealed durable container. NACET should be protected from excess heat, direct sunlight, excess humidity, and moisture. NACET has a retesting period of 3 years from the date of analysis when properly stored.

NACET



Main Benefits

- NACET is able to rapidly enter the cells of multiple tissues and provide protective antioxidant effects.
- NACET is around 60% more bioavailable than NAC.
- Studies have shown that NACET can be used to improve mood and cognitive performance. NACET may also be effective in promoting healthy lungs and immune system.

Main Cautions

- NACET is generally recognized as safe within the suggested serving size range.
- Do not exceed the recommended serving size range.
- Do not use this supplement without first consulting your doctor if you are taking any medication or have any underlying medical conditions.

Usage Tips

- A 0.15cc measuring scoop is included. One level scoop contains approximately one serving, or approximately **50mg of NACET**. As a dietary supplement, take 1-2 servings 1-2 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of this supplement are dependent on the amount taken. Use of a scale with 10mg/0.01g accuracy or better is recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder easier to tolerate.
- This supplement is not intended to treat, diagnose, prevent, or cure any diseases. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- It is safe to stack this supplement with other dietary supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of this supplement are most effective when they are supported by a healthy diet and plenty of exercise.



Certificate of Analysis



S & N LABS

2021 E. Fourth Street
Santa Ana, California 92705
(714) 543-2211

Client:
Synampent LLC
47 W Polk Street, 100-241
Chicago, IL 60654

Sample Collected By: Client
Product Name: N-Acetyl Cysteine Ethyl Ester
Report Date: 01/12/21

Product Lot Number: 20201215
Laboratory Number: 20121569

23 March 2021

Synampent LLC
47 W. Polk Street #100-241
Chicago, Illinois 60605

Job Number: 248206
PO Number: verbal

Description	Method	Specification	Results
H-NMR	Conforms	Conforms	
Lead	ICP-MS	<0.5 ppm	0.033 ppm
Arsenic	ICP-MS	<0.5 ppm	0.002 ppm
Cadmium	ICP-MS	<0.5 ppm	0.001 ppm
Mercury	ICP-MS	<0.5 ppm	0.006 ppm
Total Aerobic Count	Biolumix	<1,000 cfu/g	<1,000 cfu/g
Yeast & Mold	Biolumix	Negative	Negative
E. Coli	Biolumix	<10 cfu/g	<10 cfu/g
Coliform	Biolumix	Negative	Negative
Salmonella	Biolumix	Negative	Negative

REPORT OF ANALYSIS

One jar labeled "N-acetyl L-cysteine ethyl ester #20201215" was received on 3 March 2021. The powder in the bag was analyzed for specific component using high pressure liquid chromatography (HPLC). The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
N-acetyl L-cysteine ethyl ester #20201215	97.9

Note that this material consists of two isomers and the purity calculation is based on the sum of both isomers.

Neil E. Spingarn, Ph.D.
President

01/12/2021 1:47:21
Date

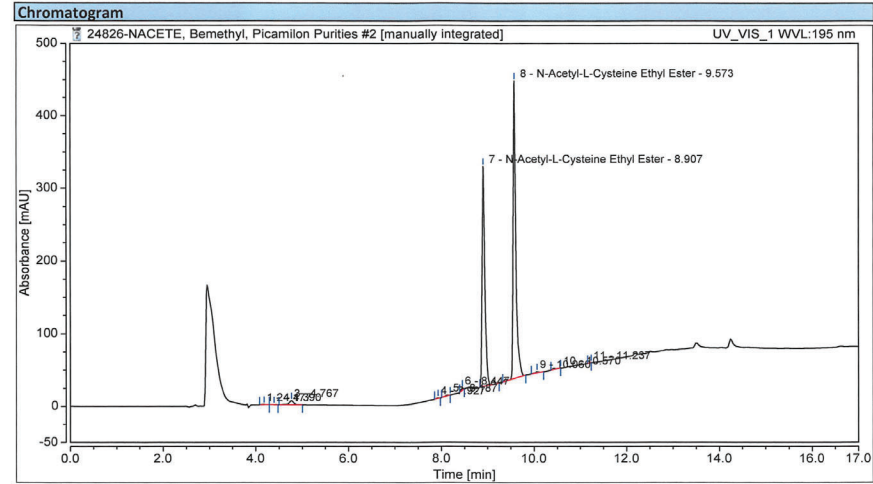
Collin Thomas
Laboratory Manager

The results stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

812 Meadow Lark Lane, Goodlettsville, TN 37072
Tel: 615-239-8604

Chromatogram and Results

Injection Details		
Injection Name:	N-Acetyl-L-Cysteine Ethyl Ester 20201215	Run Time (min): 20.00
Vial Number:	BD2	Injection Volume: 10.00
Injection Type:	Unknown	Channel: UV_VIS_1
Calibration Level:		Wavelength: 195
Instrument Method:	AD 250mm MaxRP 20min	Bandwidth: 5
Processing Method:	Processing Method	Dilution Factor: 1.0000
Injection Date/Time:	19/Mar/21 21:15	Sample Weight: 1.0000



Integration Results							
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1		4.177	0.029	0.326	0.06	0.05	n.a.
2		4.390	0.016	0.219	0.03	0.03	n.a.
3		4.767	0.675	5.971	1.36	0.82	n.a.
4		7.927	0.046	0.754	0.09	0.10	n.a.
5		8.187	0.068	0.000	0.14	0.00	n.a.
6		8.447	0.165	3.389	0.33	0.47	n.a.
7	N-Acetyl-L-Cysteine Ethyl	8.907	21.073	302.513	42.33	41.75	n.a.
8	N-Acetyl-L-Cysteine Ethyl	9.573	27.459	409.821	55.16	56.56	n.a.
9		10.060	0.129	1.609	0.26	0.22	n.a.
10		10.570	0.119	0.000	0.24	0.00	n.a.
11		11.237	0.007	0.000	0.01	0.00	n.a.
Total:			49.785	724.601	100.00	100.00	