



Certificate of Analysis

47 W Polk St. STE 100-241
Chicago, IL 60605
liftmode@liftmode.com

LiftMode

NALT

 N-Acetyl L-Tyrosine

Material Lot #: 202006114

Test Date: 03-06-2021

Country of Origin: China

Re-Test Date: 03-05-2024

Analysis

Claim

Result

N-Acetyl L-Tyrosine

≥98%

99.9%

Test

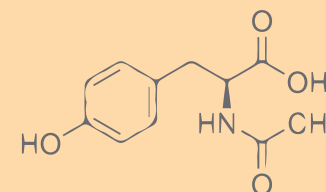
Specification

Result

N-Acetyl L-Tyrosine (HPLC)	≥98%	99.9%
Lead	≤0.5ppm	<0.01 ppm
Mercury	≤0.5ppm	<0.01 ppm
Cadmium	≤0.5ppm	<0.01 ppm
Arsenic	≤0.5 ppm	<0.01 ppm
Total Aerobic Plate Count	<1000 cfu/g	<10 cfu/g
Yeast	<100 cfu/g	<10 cfu/g
Moulds	<100 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Negative	Negative
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

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

NALT (N-Acetyl L-Tyrosine)



Main Benefits

- NALT is a form of the essential amino acid L-Tyrosine, which can play an important role in the synthesis of norepinephrine and dopamine which is known to maintain healthy mood levels.
- Studies also indicate that NALT can be used to boost libido and reduce harmful mercury levels in the body.
- NALT also has a synergistic effect with L-Tyrosine when taken as a supplement.

Main Cautions

- Tyrosine seems to be safe when used in doses up to 150 mg/kg per day for up to 3 months. However, side effects that may occur include nausea, headache and heartburn.
- NALT can interact with a variety of medications. It should not be taken with thyroid medication, levodopa, or antidepressant medications known as monoamine oxidase inhibitors (MAOIs).
- Do not use this supplement without first consulting with your doctor if you are taking any medication or have any medical condition.

Usage Tips

- A 0.625 cc measuring scoop is included. One rounded scoop contains approximately one serving, or approximately **500mg of NALT**. As a dietary supplement, take 1 serving 1-2 times per day. Start at the lower suggested quantity to assess response.
- 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.
- The negative effects of NALT are dependent on the amount taken. Use of a scale with 10mg/0.01g accuracy or better is highly recommended.
- It is safe to stack NALT with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder easier to tolerate.
- The benefits of NALT are most effective when they are supported by a healthy diet and plenty of exercise.

Synaptent
Joseph Watkins
1442 W. Fulton Street
Chicago, IL 60607

ANALYTICAL REPORT
AR-21-QH-008635-01

Client Code: QH0000902
PO Number: 20210204
Received On: 08Feb2021
Reported On: 17Feb2021

Eurofins Sample Code: 477-2021-02080057		Sample Registration Date: 08Feb2021	
Client Sample Code: 202006114		Condition Upon Receipt: acceptable, 17.6°C	
Sample Description: NALT (N-Acetyl L-Tyrosine)		Sample Reference: 202006114	
UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference CMMEF Chapter 8.72	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 14Feb2021
Parameter Aerobic Plate Count	Result < 10 cfu/g		
UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Completed 17Feb2021	
Parameter Yeast	Result < 10 cfu/g		
Parameter Moulds	Result < 10 cfu/g		
UMDP5 - Confirmation Total Coliforms - CMMEF Chapter 8.7	Reference CMMEF Chapter 8.7	Completed 16Feb2021	
Parameter Coliforms	Result < 10 cfu/g		
UMQUI - Confirmation Total Coliforms - CMMEF Chapter 9.933	Reference CMMEF Chapter 9.933	Completed 16Feb2021	
Parameter Coliforms	Result <10 per g		
Parameter Escherichia coli	Result <10 per g		
UMDTC - Salmonella species - AOAC-R1 121501	Reference AOAC-R1 121501	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 13Feb2021
Parameter Salmonella	Result Not Detected per 25 g		

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S & N LABS

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

16 February 2021

Job Number:	24738a
PO Number:	verbal

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

REPORT OF ANALYSIS

One bag labeled "N-acetyl-L-tyrosine #202006114" was received on 9 February 2021. The powder in the package was analyzed for purity using high pressure liquid chromatography (HPLC). The detector was evaporative light scattering (ELSD). The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
N-acetyl-L-tyrosine #202006114	99.9

The chromatogram is enclosed for your reference.

Neil E. Spingarn, Ph.D.
President

Synaptent
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Client Sample Code: 202006114		Condition Upon Receipt: acceptable, 17.6°C	
Sample Description: NALT (N-Acetyl L-Tyrosine)		Sample Reference: 202006114	
UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 14Feb2021
Parameter Staphylococcus aureus	Result < 10 cfu/g		

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Medallion Labs

www.medallionlabs.com 800-245-5615 info@medallionlabs.com

Order # Sample ID:	2021-001282-04	Company:	Synaptent LLC
Customer Sample ID:	N-Acetyl L-Tyrosine (NALT)		
Sample Description:	Lot #202006114		

Analytical Testing

Method:	Component:	Result:	Test Date:
^{1,2} Mercury	Mercury	<0.010 ppm	01-Mar-2021
Metals (ICP-MS)	Arsenic	<10 ppb	22-Feb-2021
Metals (ICP-MS)	Cadmium	<10 ppb	22-Feb-2021
Metals (ICP-MS)	Lead	<10 ppb	22-Feb-2021

Results Approved By: Randy Vados
(Authorized Reviewer)

Medallion Labs maintains A2LA accreditation to ISO/IEC 17025 for the specific tests listed in certificates # 2769.01 and 2769.02. Medallion Labs' services, including this report, are provided subject to all provisions of Medallion's Standard Terms and Conditions, a copy of which appears at www.medallionlabs.com. Unless otherwise noted above, samples were received in acceptable condition and analyzed as received.

¹ This analysis is performed by a partner lab.

² This test is not considered in-scope of our current A2LA accreditation. For a listing of in-scope tests, please visit www.medallionlabs.com.

Date Issued: March 01, 2021

Medallion Labs 9000 Plymouth Ave. N., Minneapolis, MN 55427 Report #: 39225

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