

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

Lift \\ode

Citicoline Sodium

Citicoline Sodium Salt

Material Lot #: ZJ20210610

Test Date:

08-02-2022

Country of Origin: Ch

Re-Test Date:

07-30-2025

Analysis Claim Result
Citicoline Sodium ≥99% >99.9%

Test	Specification	Result
Citicoline Sodium (HPLC)	≥99%	>99.9%
Lead	≤0.5ppm	<0.005 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 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

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

Citicoline

Main Benefits

- Citicoline (CDP-Choline) is a naturally-occurring compound used in numerous biochemical pathways in the human body.
- Citicoline plays an important role in many biochemical systems in the human body. It is especially important as a methyl-group donator, a cofactor for a variety of enzyme systems, and for phospholipid synthesis.
- Anecdotally, it may have similar effects to other Nootropic compounds.

Main Cautions

- Citicoline is considered possibly safe for use by most people when taken at the recommended serving size for up to 90 days.
- However at much larger sizes, possible adverse effects may include difficulty sleeping, headache, diarrhoea, high or low blood pressure, nausea, blurred vision and chest pain.
- Consult your physician before using Citicoline if you are taking any medication. Citicoline has not been tested for safety in pregnant or breastfeeding women.

Usage Tips

- A 0.625cc measuring scoop is included. One level scoop contains approximately one serving of approximately 250mg of Citicoline. As a dietary supplement, take 1-2 servings up to 3 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of Citicoline are dependent on the amount taken, so use of a scale with 10mg/0.1g accuracy or better is highly recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder more tolerable.
- 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 Citicoline with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Citicoline are most effective when they are supported by a healthy diet and plenty of exercise.



Eurofins Microbiology Laboratories (New Berlin)

Sample Registration Date: 02Aug2022 Condition Upon Receipt: acceptable,

Eurofins Microbiology Laboratories (New Berlin)

2345 S. 170th St. New Berlin, Wisconsin 53151 +1 262 754 5300 Micro-MKE@EurofinsUS.com

Quality Control Department (COA) 425 BARCLAY BOULEVARD Lincolnshire, IL 60069

Eurofins Sample Code: 477-2022-08020099
Client Sample Code: ZJ20210610

ANALYTICAL REPORT

AR-22-QH-044203-01

Client Code: QH0000902 PO#: ZJ20210610

Received On: 02Aug2022 Reported On: 07Aug2022

Sample Description: Citicoli	ne Sodium	Sample Reference:			
FS001 - Heavy Metals (As, Cd, H Pb)		, 993.14 and 2015.01	Accreditation	Completed 04Aug2022	Sub 1
Parameter Arsenic Cadmium Lead Mercury	Result <10.0 ppb <5.00 ppb <5.00 ppb <5.00 ppb				
UM8VD - Total Coliforms - CMM Chapter 9.933	EF Reference CMMEF Chapt	er 9.933	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 03Aug2022	
Parameter Coliforms	Result < 10 cfu/g				
Parameter Escherichia coli	Result < 10 cfu/g				
UMDTC - Salmonella species - A 121501	AOAC-RI Reference AOAC-RI 1215	01	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 03Aug2022	
Parameter Salmonella	Result Not Detected	per 25 g			
IIMURM Stanbylococcus auror	ie BAM Poforonco		Accreditation	Completed	

Chapter 12

Result Parameter Staphylococcus aureus < 10 cfu/a

UMIB1 - Yeast - FDA BAM Chapter 18

Reference FDA BAM Chapter 18 mod.

BAM Chapter 12

Accreditation

ISO/IEC 17025:2017 A2LA 3329.07

ISO/IEC 17025:2017 A2LA 3329.07

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04Aug2022

Completed 07Aug2022



5 August 2022

Job Number:	26134
PO Number:	Verbal

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

REPORT OF ANALYSIS

One blue container with powder labeled "Citicoline Sodium ZJ20210610" was received on 2 August 2022. A portion of the powder from within the container was analyzed for purity using high pressure liquid chromatography (HPLC). Based on ultraviolet (UV) detection at 195 nm the chromatographic purity of the sample was found to be >99.9%.

The chromatogram is enclosed for your reference

Chris French, PhD Principal Scientist

2021 East Fourth Street, Suite 112

Santa Ana, California 92705

(714) 543-2211

Synaptent

Quality Control Department (COA) 425 BARCLAY BOULEVARD

Lincolnshire, IL 60069

ANALYTICAL REPORT

AR-22-OH-044203-01

Client Code: QH0000902 PO#: ZJ20210610

Received On: 02Aug2022 Reported On: 07Aug2022

Eurofins Sample Code: Client Sample Code: Sample Description: Sample Registration Date: 02Aug2022 Condition Upon Receipt: acceptable, Sample Reference: 477-2022-08020099 acceptable, 22.1°C UMIB1 - Yeast - FDA BAM Chapter 18 Accreditation Reference FDA BAM Chapter 18 mod. Completed 07Aug2022 ISO/IEC 17025:2017 A2LA 3329.07

Result < 10 cfu/g Yeast Parameter Result < 10 cfu/g

UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72 Reference CMMEF Chapter 8.72 **Accreditation** ISO/IEC 17025:2017 A2LA 3329.07

Parameter Result Aerobic Plate Count < 10 cfu/a

Subcontracting partners:

1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,



M Juinn Christine Gwinn

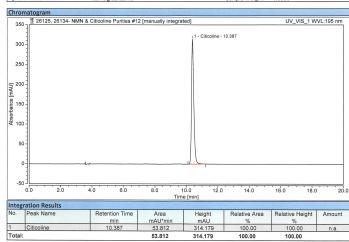
Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. | All results are reported on an 'As Received' basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurofins's Scientific, Inc. | All work done in accordance with Eurofins General Terms (Conditions of Sale: www.eurofinsus.com/terms and conditions.off | Vindicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details about the performing labs please contact your customer service contact at Eurofins. Measurement of uncertainty can be obtained upon request.

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Instrument:Annex-1 Sequence:26125, 26134- NMN Citicoline Purities

Chromatogram and Results					
Injection Details					
Injection Name:	26134- Citicoline sodium lot ZJ20210610	Run Time (min):	20.00		
Vial Number:	GB4	Injection Volume:	10.00		
Injection Type:	Unknown	Channel:	UV_VIS_1		
Calibration Level:		Wavelength:	195		
Instrument Method:	AC HILIC 20min Purity Method	Bandwidth:	10		
Processing Method:	Processing Method	Dilution Factor:	1.0000		
Injection Date/Time:	02/Aug/22 22:46	Sample Weight:	1.0000		



100.00

100.00

314.179