



# Certificate of Analysis

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

LiftMode

## Piperine

From Piper Nigrum

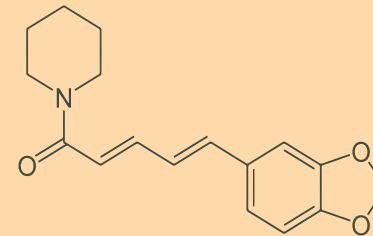
Material Lot #: 2021026504 Test Date: 04-11-2022  
Country of Origin: India Re-Test Date: 04-08-2025

Analysis	Claim	Result
Piperine	≥95%	97.8%

Test	Specification	Result
Piperine (HPLC)	≥95%	%97.8
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
<b>Total Aerobic Plate Count</b>	<b>&lt;1000 cfu/g</b>	<b>&lt;10 cfu/g</b>
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

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

## Piperine



### Main Benefits

- When taken as a dietary supplement, Piperine has the ability to significantly improve the absorption and uptake of many dietary supplements.
- Piperine may also have powerful anti-oxidant effects and support a healthy circulatory system.
- Piperine may also slow intestinal removal of supplements. These effects allow your body to better absorb supplements that are metabolized by the liver.

### Main Cautions

- Piperine is the extracted active compound from black pepper which is generally regarded as safe for consumption around the world.
- There may be significant interactions between Piperine and medication. If you are taking any medication, it is very important that you consult with your doctor before using this supplement.
- Do not exceed the suggested serving size for Piperine supplements.

### Usage Tips

- A disposable double sided measuring scoop is included. Two level scoops from the small end contains approximately one serving, or approximately **8-10mg of Piperine**. As a dietary supplement, take 1-4 servings up to three times per day (optimally, 1 hour prior to taking other supplements). Start at the lower suggested quantity to assess response.
- The negative effects of Piperine are dependent on the amount taken, so use of a scale with 10mg/0.01g 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 Piperine with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Piperine are most effective when they are supported by a healthy diet and plenty of exercise.

Eurofins Microbiology Laboratories (New Berlin)

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

Synaptent

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

**ANALYTICAL REPORT**

AR-22-QH-019691-01

Client Code: QH0000902  
PO#: 2021026504

Received On: 07Apr2022  
Reported On: 12Apr2022

Synaptent

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

**ANALYTICAL REPORT**

AR-22-QH-019691-01

Client Code: QH0000902  
PO#: 2021026504

Received On: 07Apr2022  
Reported On: 12Apr2022

<b>Eurofins Sample Code:</b> 477-2022-04070152	<b>Sample Registration Date:</b> 07Apr2022
<b>Client Sample Code:</b> 2021026504	<b>Condition Upon Receipt:</b> acceptable, 16.3°C
<b>Sample Description:</b> Piperine	<b>Sample Reference:</b>

<b>FS001 - Heavy Metals (As, Cd, Hg, and Pb)</b>	<b>Reference</b> AOAC 2011.19 and 993.14 (modified)	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 2918.01	<b>Completed</b> 12Apr2022	<b>Sub</b> 1
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<b>Parameter</b>	<b>Result</b>
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

<b>UM8VD - Total Coliforms - CMMEF Chapter 9.933</b>	<b>Reference</b> CMMEF Chapter 9.933	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 08Apr2022
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<b>Parameter</b>	<b>Result</b>
Coliforms	< 10 cfu/g

<b>Parameter</b>	<b>Result</b>
Escherichia coli	< 10 cfu/g

<b>UMDTC - Salmonella species - AOAC-RI 121501</b>	<b>Reference</b> AOAC-RI 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 08Apr2022
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<b>Parameter</b>	<b>Result</b>
Salmonella	Not Detected per 25 g

<b>UMHBM - Staphylococcus aureus - BAM Chapter 12</b>	<b>Reference</b> BAM Chapter 12	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 09Apr2022
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<b>Parameter</b>	<b>Result</b>
Staphylococcus aureus	< 10 cfu/g

<b>UMB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.	<b>Completed</b> 12Apr2022
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<b>Parameter</b>	<b>Result</b>
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**S & N LABS**

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

12 April 2022

Job Number:	25857b
PO Number:	verbal

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

**REPORT OF ANALYSIS**

One small jar labeled "Piperine #2021026504" was received on 8 April 2022. The contents of the jar were analyzed for purity using high pressure liquid chromatography (HPLC). The detector was set to 250nm. The results are summarized in the table below.

<b>Sample</b>	<b>Chromatographic Purity (% area)</b>
Piperine #2021026504	97.8

*Neil E. Spingarn*  
Neil E. Spingarn, Ph.D.  
President

Instrument:Ultimate3000 Sequence:25857 - curcumin piperine purity by HPLC

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