



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

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CERTIFICATE OF ANALYSIS

Piperine

(Piper nigrum extract)

Material Lot #: 1245 Manufacture Date: 03/15/2019
Country of Origin: India Expiration Date: 03/18/2022

Analysis	Claim	Result
Piperine	≥95.0%	95.9%

Test	Specification	Result
Appearance	Off-white or pale yellowish powder	Complies
Identification	TLC	Complies
Loss on Drying	≤1.00%	Complies
Solubility	Insoluble in water and soluble in alcohol	Complies
Heavy Metals	≤10 ppm	<10 ppm
Lead	≤3.0 ppm	<3.0 ppm
Arsenic	≤2.0 ppm	<2.0 ppm
Cadmium	≤1.0 ppm	<1.0 ppm
Mercury	≤0.5 ppm	<0.5 ppm
Pesticide Residues	Meet USP/ICH requirement	Complies
Residual Solvents	Meet USP/ICH requirement	Complies
Assay	≥95.0%	95.9%
Total Plate Count	≤10,000 cfu/g	355 cfu/g
Yeast & Mold	≤1,000 cfu/g	20 cfu/g
Salmonella	Negative	Complies
E.coli	Negative	Complies

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 stable shelf life of 3 years from the date of manufacture when properly stored.



Colmaric Analyticals, LLC

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

Certificate of Analysis

Synaptent I.I.C
47 W Polk Street, 100-241
Chicago, IL 60654

Product Name	Piperine	Product Lot Number	1245
Report Date	07/09/2019	Laboratory Number	12242

Description	Method	Result
Identification	Proton NMR	Conforms to structure
Assay	HPLC	96.6%
Lead	ICP-MS USP <730>	0.032 ppm
Arsenic	ICP-MS USP <730>	<0.0001 ppm
Cadmium	ICP-MS USP <730>	0.0004 ppm
Mercury	ICP-MS USP <730>	0.002 ppm
Total Aerobic Count	Biolumix	<100 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	Negative
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Negative

Collin Thomas *Collin Thomas*
Laboratory Manager

07/09/2019 7/9/19
Date

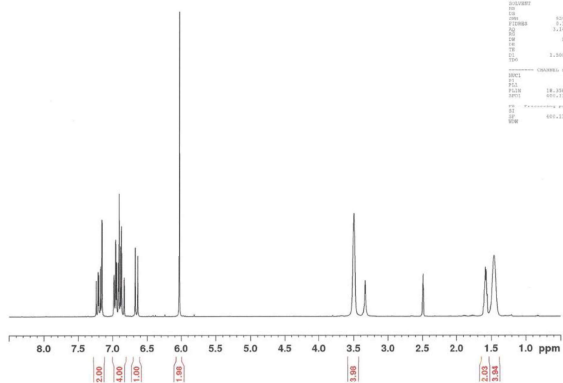
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**¹H NMR of Piperine
in DMSO
Lot #12242
Colmaric Analytical
400 MHz
07-03-19**



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PROCNO: 1
PROCPS: 1
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RGY: 327.68
AQY: 0.10000000
SFO: 400.13636000
SI: 65536
SF: 160.05454500
WDW: EM
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GB: 0
PC: 1.00000000
SC: 0
MC: 0
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GB2: 0
GB3: 0
GB4: 0
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INSTRUM spect
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PULPROG zgpg30
PCPROG  gpg
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SI       65536
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F2 - Acquiring Parameters
Date_   07-03-19
Time_   09:51:01
INSTRUM spect
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PULPROG zgpg30
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ORIG F2
F2: 07-03-19
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F2: 0.10000000
F2: 1.00000000
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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.

PIPERINE

Usage Tips

- A disposable double sided measuring scoop is included. One level scoop from the small end contains approximately one serving, or approximately **6-10mg of Piperine**. As a dietary supplement, take 1-4 servings 1-2 times per day. 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.