

LIFTMODE

LIFTMODE
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Certificate of Analysis

Nutrichem International Co., Ltd
14181 Ferm Ave.,
Chino, CA 91710

Product Name	Piperine	Product Lot Number	183728
Report Date	09/10/2018	Laboratory Number	10814

Description	Method	Results
Identification	HPLC	Positive
Assay	HPLC	98.1 %
Lead	ICP-MS	0.022 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	0.006 ppm
Mercury	ICP-MS	0.020 ppm

Michael Robil
Michael Robil
QA Auditor

09/10/18
09/10/2018
Date

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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 **16-18mg 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 disease. 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.

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CERTIFICATE OF ANALYSIS

Piperine

(Piper nigrum extract)

Material Lot #: 183728 Manufacture Date: 03/01/2018
Country of Origin: India Expiration Date: 02/30/2021

Analysis	Claim	Result
Piperine	≥95.0%	98.1%

Test	Specification	Result
Appearance	Off-white or pale yellowish powder	Complies
Identification	TLC	Complies
Loss on Drying	≤5.0%	3.80%
Solubility	Insoluble in water and soluble in alcohol	Complies
Heavy Metals	≤10 ppm	<10 ppm
Lead	≤1.0 ppm	<1.0 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%	98.1%
Total Plate Count	≤10,000 cfu/g	Complies
Yeast & Mold	≤1,000 cfu/g	Complies
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.

1H NMR of Piperine
in DMSO
Lot #10973
Colmaric Analytical
400 MHz
10-08-18

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Current Data Parameters
NAME      Oct08-2018-colmaric
EXPNO    7
PROCNO   1

F2 - Acquisition Parameters
Date_    20181008
Time     10.36
INSTRUM  spect
PROBHD   5 mm PABBO BB-
PULPROG  zg30
TD        32768
SOLVENT  DMSO
NS        32
DS        0
SWH       5208.333 Hz
FIDRES    0.138946 Hz
AQ        3.1437281 sec
RG         64
SW        96.000 usec
DE        25.61 usec
TE        298.0 K
D1        1.5000000 sec
TD0       1

----- CHANNEL f1 -----
NUC1      1H
P1        11.38 usec
PL1       -2.50 dB
PL1W      18.35869598 W
SFO1      400.1320007 MHz

F2 - Processing parameters
SI        32768
SF        400.1300072 MHz
WDW       EM
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