

## TECHNICAL DATA SHEET

# Black Pepper Extract

## Piperine 95% HPLC

### Chemical Properties

Plant source: *Piper nigrum*

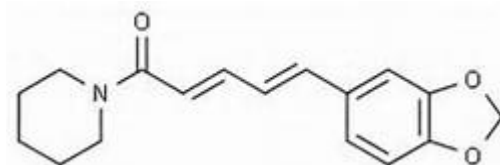
Used part: Fruit

Extraction solvent: Ethanol & Water

CAS No: 94-62-2

Chemical Formula: C<sub>17</sub>H<sub>19</sub>NO<sub>3</sub>

Molecular Weight: 285.34



### Description

Black pepper is used to treat a variety of diseases as a traditional herbal medicine. It is one of the important herbs. Piperine is the main ingredient of black pepper.

### Solubility

Soluble in acetic acid, benzene, ethanol and chloroform, slightly soluble in ether.

### Specification

Item	Specification	Test Method
Appearance	Fine Powder	Visual
Color	Light Yellow	Visual
Odor	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Assay(Piperine)	Min 95%	HPLC
Mesh Size	Min 98% pass 80 mesh	CP2015
Loss on Drying	Max 1.0%	CP2015 (105°C, 3 h)
Ash	Max 0.5%	CP2015
Bulk Density	50-60g/100ml	CP2015
Heavy Metals	Max 10 ppm	GB5009.74
As	Max 2 ppm	GB5009.11
Pb	Max 2 ppm	GB5009.12
Solvent Residue(Ethanol)	Max 5000 ppm	In-house
Pesticide Residue	Negative	In-house
Total Plate Count	Max 1000 cfu/g	GB4789.2
Yeast & Moulds	Max 100 cfu/g	GB4789.15
<i>E. Coli</i>	Negative	GB4789.38
<i>Salmonella</i>	Negative	GB4789.4
<i>Staphylococcus</i>	Negative	GB4789.10

## Regulatory Information

	Yes	No
Contains GMO based ingredients		√
BSE/TSE-free	√	
Suitable for vegetarian	√	
Suitable for vegan	√	

## Country of Origin

China

## Ingredients

Black Pepper Extract Piperine min 95%.

## Functions

- 1). Help sedation, hypnosis, anti-convulsant.
- 2). Relax skeletal muscles.
- 3). Help anti-depressant.

## Applications

This product is applied in medicine, health care products, pesticides, disinfection products, injections and feeds.

## Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

## Packaging, Storage & Shelf Life

Package	In 25kg fibre drum; or according to customers' requirements.
Storage	Store in a cool and dry place, keep away from direct strong light and heat.
Shelf life	2 years if sealed and store away from direct sun light.