

# CORDYCEPS



This product is a dried complex of the fruiting bodies and larval corpses of *Cordyceps sinensis* (BerK.) Sacc., a fungus of the family Ergotaceae, parasitizing the larvae of the insects of the family Bat Moth. It is dug up in early summer when the fruiting bodies are unearthed and the spores have not yet dispersed, and dried in the sun until 60% to 70% dry, and the fibrous attachments and impurities are removed, and then dried in the sun or at a low temperature.

## 【 PROPERTIES 】

This product is composed of the insect body and the fungal fruiting body that grows from the insect head. The insect body is similar to a silkworm, 3 to 5 cm long and 0.3 to 0.8 cm in diameter; the surface is dark yellow to yellow-brown, with 20 to 30 rings, and the rings near the head are thinner; the head is reddish brown; there are 8 pairs of legs, 4 pairs in the middle are more obvious; the texture is brittle, easy to break, the cross section is slightly flat, and the light yellow white. The fruiting body is slender and cylindrical, 4 to 7 cm long and about 0.3 cm in diameter; the surface is dark brown to brown, with fine longitudinal wrinkles, and the upper part is slightly swollen; the texture is flexible, and the cross section is off-white. It has a slightly fishy smell and a slightly bitter taste.

## 【 INSPECTION 】

Heavy metals and harmful elements are determined according to the lead, cadmium, arsenic, mercury and copper determination method (General Rule 2321 atomic absorption spectrophotometry or inductively coupled plasma mass spectrometry). Lead shall not exceed 5mg/kg; cadmium shall not exceed 1mg/kg; mercury shall not exceed 0.2mg/kg; copper shall not exceed 20mg/kg.

## 【 CONTENT DETERMINATION 】

Determined according to high performance liquid chromatography (General Rule 0512).

Chromatographic conditions and system suitability test:

Octadecylsilane bonded silica gel is used as filler; phosphate buffer (pH 6.5): 0.01mol/L sodium dihydrogen phosphate 6&5ml and 0.01mol/L sodium dihydrogen phosphate 31.5ml, mixed (pH 6.5)]-methanol (85:15) as mobile phase; detection wavelength is 260nm. The theoretical plate number calculated based on the adenine peak should not be less than 2000.

Preparation of reference solution Take an appropriate amount of adenosine reference, weigh accurately, add 90% methanol to make a solution containing 20μg per 1 ml of blood, and obtain.

Preparation of test solution Take about 0.5g of this product powder (passed through No. 3 sieve), weigh accurately, put it in a stoppered conical bottle, add 10ml of 90% methanol accurately, plug it tightly, shake well, weigh the weight, heat and reflux for 30 minutes, cool it, weigh it again, make up the lost weight with 90% methanol, shake well, filter, and take the filtrate to obtain.

Determination method Accurately aspirate 100 of reference solution and test solution respectively, inject them into liquid chromatograph, and determine them.

This product contains not less than 0.010% adenosine (C10H13N5O4).





### 【 NATURE AND FLAVOR AND MERIDIANS 】

Sweet, flat. It enters the lung and kidney meridians.

### 【 FUNCTIONS AND INDICATIONS 】

Tonify the kidney and lung, stop bleeding and resolve phlegm. Used for kidney deficiency, impotence, spermatorrhea, sore waist and knees, chronic cough, asthma, and hemoptysis caused by overwork.



### 【 USAGE AND DOSAGE 】

3~9g.

### 【 NOTE 】

Be cautious when taking for a long time.

### 【 STORAGE 】

Keep in a cool and dry place to prevent moths.



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