

RED PEONY ROOT



This product is the dried root of *Paeonia ladiflora* Pall. or *Paeonia veitchii* Lynch, a plant of the family *Paeoniaceae*. It is dug up in spring and autumn, the rhizome, fibrous roots and mud and sand are removed, and then it is dried in the sun.

【 PROPERTIES 】

This product is cylindrical, slightly curved, 5 to 40 cm long, 0.5 to 3 cm in diameter. The surface is brown, rough, with longitudinal grooves and wrinkles, root marks and horizontal lenticel-like protrusions. Some of the outer skins are easy to fall off. It is hard and brittle, easy to break, and the cross section is white or pink. The cortex is narrow, and the radial texture of the wood is obvious. Some have cracks. It has a slight fragrance and tastes slightly bitter and astringent.

【 IDENTIFICATION 】

(1) Cross-section of this product: The cork layer is a series of brown cells. The inner layer of the cork thin-walled cells is tangentially extended. The phloem is narrow. The cambium is ring-shaped. The rays of the wood are wide, and the vessels are arranged radially. There are wood fibers next to the vessels. The thin-walled cells contain calcium oxalate clusters and starch granules.

(2) Take 0.5 g of the powder of this product, add 10 ml of ethanol, shake for 5 minutes, filter, evaporate the filtrate to dryness, and add 2 ml of ethanol to dissolve the residue as the test solution. Take another reference substance of *Paeonia lactiflora* and add ethanol to make a solution containing 2 mg per 1 ml as the reference substance solution. According to the thin layer chromatography method (general rule 0502), take 40 of each of the above two solutions and spot them on the same silica gel G thin layer plate, use chloroform-ethyl acetate-methanol-formic acid (40:5:10:02) as the developing agent, develop, take out, dry, spray with 5% vanillin sulfuric acid solution, and heat until the spots are clearly colored. In the chromatogram of the test sample, the same blue-purple spots appear at the corresponding position of the chromatogram of the reference substance.

【 CONTENT DETERMINATION 】

Determine according to the high performance liquid chromatography method (general rule 0512). Chromatographic conditions and system suitability test Use octadecylsilane bonded silica gel as filler; methanol-0.05mol/L potassium dihydrogen phosphate solution (40:65) as mobile phase; detection wavelength is 230nm. The number of theoretical plates calculated based on the *Paeonia lactiflora* peak should be not less than 3000.

Preparation of reference solution Take an appropriate amount of *Paeonia lactiflora* reference substance dried in a phosphorus pentoxide vacuum dryer for 36 hours, weigh it accurately, and add methanol to make a solution containing 0.5 mg per 1 ml.

Preparation of test solution Take about 0.5% of the crude powder of this product, weigh it accurately, put it in a stoppered conical bottle, add 25 ml of methanol accurately, weigh it, soak it for 4 hours, ultrasonically treat it for 20 minutes, let it cool, weigh it again, make up the lost weight with methanol, shake it well, filter it, and take the filtrate to obtain it. **Determination method** Accurately take 10R of the reference solution and the test solution respectively, inject it into the liquid chromatograph, and determine it. This product contains no less than 18% of *Paeonia lactiflora* (C23 H28O11).

DECOCTION PIECES

【 PROCESSING 】

Remove impurities, separate the sizes, wash, moisten it thoroughly, cut it into thick slices, and dry it.

【 PROPERTIES 】

This product is a circular slice with a brown outer skin. The cut surface is white or pink, with narrow cortex and obvious radial texture in the wood, and some have cracks.

【 CONTENT DETERMINATION 】

Same as medicinal material, containing no less than 15% of peony root (C23 H28 O11).

【 IDENTIFICATION 】

Same as medicinal material.

【 NATURE AND FLAVOR AND MERIDIANS 】

Bitter, slightly cold. Enters the liver meridian.

【 FUNCTION AND INDICATIONS 】

Clears heat and cools blood, disperses blood stasis and relieves pain. Used for heat entering the blood, fever and toxicity, vomiting blood, red and swollen eyes, liver depression and flank pain, amenorrhea, dysmenorrhea, abdominal pain due to symptoms, injuries from falls, carbuncle, swelling and ulcer.

【 USAGE AND DOSAGE 】

6~12g.

【 NOTE 】

It is not suitable to be used with *Veratrum*.

【 STORAGE 】

Place in a ventilated and dry place.

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