

# WHITE FRESH SKIN



This product is the dried root bark of *Dictamnus dasycarpus* Turcz. of the Rutaceae family. The roots are dug up in spring and autumn, the sand and rough bark are removed, the root bark is peeled off and dried.

## 【 PROPERTIES 】

This product is in the shape of a roll, 5 to 15 cm long, preferably 1 to 2 cm in diameter, and 0.2-0.5 cm thick. The outer surface is off-white or light grayish yellow, with fine longitudinal wrinkles and fine root marks, often with protruding granular dots; the inner surface is off-white with fine longitudinal lines. It is brittle, with dust flying when broken, and the cross section is uneven and slightly flaky. When the outer layer is peeled off, small flashing bright spots can be seen in the light. It has a sheep-like smell and tastes slightly bitter.

## 【 IDENTIFICATION 】

(1) Cross-section of this product: The cork layer consists of more than 10 rows of cells. The inner cork layer is narrow, and the fibers are mostly scattered individually, yellow, 25 to 100  $\mu\text{m}$  in diameter, with thick walls and obvious laminae. The phloem is broad, with rays 1 to 3 rows of cells wide; the fibers are scattered individually. There are many calcium oxalate clusters in the parenchyma, with a diameter of 5 to 30  $\mu\text{m}$ .

(2) Take 1g of the powder of this product, add 20ml of methanol, ultrasonically treat for 30 minutes, filter, evaporate the filtrate, and add 1ml of methanol to the residue to dissolve it as the test solution. Take another reference substance of calcitonin and calcitonin, add methanol to make a mixed solution containing 1mg of each per 1ml, as the reference solution. According to the thin layer chromatography method (General Rule 0502), take 5 $\mu$  of each of the above two solutions and spot them on the same silica gel G thin layer plate, use toluene-cyclohexane-ethyl acetate (3:3:3) as the developing agent, develop, take out, dry, spray with 5% vanillin sulfuric acid solution, and heat at 105°C until the spots are clearly colored. In the chromatogram of the test product, spots of the same color appear at the corresponding position of the chromatogram of the reference substance.

## 【 INSPECTION 】

The water content shall not exceed 14.0% (General Rule 0832 Method 2).

## 【 EXTRACT 】

Determine by cold leaching method under the water-soluble extract determination method (General Rule 2201), not less than 20.0%.

## 【 CONTENT DETERMINATION 】

Determine by high performance liquid chromatography (General Rule 0512). Chromatographic conditions and system suitability test Octadecylsilane bonded silica gel is used as filler; methanol-water (60:40) is used as mobile phase; detection wavelength is 236nm. The theoretical plate number calculated based on the calendulone peak should not be less than 3000.

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Preparation of reference solution Take appropriate amount of calendulone reference substance and calendulone reference substance, accurately weigh, add methanol to make solutions containing 60 mg of calendulone and 0.1 mg of calendulone per 1 ml, respectively.

Preparation of test solution Take about 1g of the coarse powder of this product (passed through No. 4 sieve), weigh it accurately, put it in a stoppered conical flask, add 25ml of methanol accurately, weigh it, heat and reflux for 1 hour, let it cool, weigh it again, make up the lost weight with methanol, shake it well, filter it, and take the filtrate to get it. Determination method Accurately take 10μl of the reference solution and the test solution respectively, inject it into the liquid chromatograph, and determine it to get it. This product, calculated on the basis of dry product, contains not less than 0.050% of rutin (C<sub>14</sub>H<sub>16</sub>O<sub>3</sub>) and not less than 0.15% of phellodendron (C<sub>26</sub>H<sub>34</sub>O<sub>7</sub>).

## MEDICINAL PIECES

### 【 PROCESSING 】

Remove impurities, wash, moisten it slightly, cut it into thick slices, and dry it.

### 【 PROPERTIES 】

This product is in irregular thick slices. The outer skin is off-white or light grayish yellow, with fine longitudinal wrinkles and fine root marks, often with protruding granular dots; the inner surface is off-white with fine longitudinal lines. The cut surface is off-white and slightly flaky. It has a sheep-like smell and tastes slightly bitter.

### 【 IDENTIFICATION 】 (EXCEPT THE CROSS SECTION) 【 INSPECTION 】 【 EXTRACT 】

### 【 CONTENT DETERMINATION 】

Same as the medicinal material.

### 【 NATURE AND FLAVOR AND MERIDIANS 】

Bitter, cold. It enters the spleen, stomach, and bladder meridians.

### 【 FUNCTIONS AND INDICATIONS 】

Clears heat and dries dampness, dispels wind and detoxifies. It is used for damp-heat sores, yellow water dripping, eczema, rubella, scabies, rheumatism, heat arthralgia, jaundice and red urine.

### 【 USAGE AND DOSAGE 】

5~10g. For external use, decoct in water for washing or grind into powder for application.

### 【 STORAGE 】

Place in a ventilated and dry place.