

PSEUDOSTELLARIA HETEROPHYLLA



This product is the dried root of *Pseudostellaria heterophylla* (Miq.) Pax ex Pax et Hoffm. of the Caryophyllaceae family. It is dug up in summer when most of the stems and leaves wither, washed, the fibrous roots are removed, and the roots are slightly blanched in boiling water and then dried in the sun or directly dried in the sun.

【 PROPERTIES 】

This product is slender spindle-shaped or slender strip, slightly curved, 3 to 10 cm long, 0.2 to 0.6 cm in diameter. The surface is grayish yellow to yellowish brown, relatively smooth, with slight longitudinal wrinkles, and root marks in the depressions. There is a stem mark at the top. It is hard and brittle, with a relatively flat cross section, light yellow-brown around, light yellow-white in the center, and horny. It has a slight odor and a slightly sweet taste.

【 IDENTIFICATION 】

(1) Cross-section of this product: The cork layer is composed of 2 to 4 rows of square cells. The inner cork layer is thin, with only a few rows of thin-walled cells, which are extended tangentially. The phloem is narrow and the rays are broad. The cambium is ring-shaped. The xylem occupies most of the root, and the vessels are sparsely arranged in a radial pattern. The primary xylem has 3 to 4 prototypes. The thin-walled cells are filled with starch granules, and calcium oxalate clusters can be seen in some thin-walled cells.

(2) Take 1g of the powder of this product, add 10ml of methanol, soak at warm temperature, shake for 30 minutes, filter, and concentrate the filtrate to 1ml, which is used as the test solution. Take 1g of *Pseudostellariae Radix* as a control medicinal material, and prepare the control medicinal material solution in the same way. According to the thin layer chromatography method (General Rule 0502), take 1μl of each of the above two solutions and spot them on the same silica gel G thin layer plate, use n-butanol-glacial acetic acid-water (4:1:1) as the developing agent, place it in a developing cylinder that has been pre-saturated with the developing agent for 15 minutes, develop, take out, dry, spray with 0.2% ethanol solution of schizonopeta triketone, 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 positions of the chromatogram of the control medicinal material.

【 INSPECTION 】

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

Total ash content shall not exceed 4.0% (General Rule 2302).

【 EXTRACT 】

Determined by cold infusion method under the water-soluble extract determination method (General Rule 2201), not less than 25.0%.

【 NATURE AND FLAVOR AND MERIDIANS 】

Sweet, slightly bitter, neutral. Enters the spleen and lung meridians.

【 FUNCTIONS AND INDICATIONS 】

Replenishing qi and strengthening spleen, promoting body fluid and moistening lungs. Used for spleen deficiency, fatigue, loss of appetite, weakness after illness, insufficient qi and yin, spontaneous sweating and thirst, dry cough due to lung dryness.

【 USAGE AND DOSAGE 】

9~30g.

【 STORAGE 】

Place in a ventilated and dry place, moisture-proof and moth-proof.

