

WINDPROOF



This product is the dried root of *Saposhnikovia divaricata* (Turcz.) Schischk, a plant of the Umbelliferae family. The roots of plants that have not yet flowered are dug up in spring and autumn, the fibrous roots and mud are removed, and then dried in the sun.

【 PROPERTIES 】

This product is oblong-conical or oblong-cylindrical, tapering at the bottom, or slightly curved, 15-30 cm long, 0.5-2 cm in diameter. The surface is gray-brown or brown-brown, rough, with longitudinal wrinkles, numerous transverse lenticel-like protrusions, and dot-like fine root marks. The root head has obvious dense rings, and some rings have brown-brown hairy leaf bases. The body is light, loose, easy to break, and the cross section is uneven. The cortex is brown-yellow to brown with cracks, and the wood is yellow. The smell is peculiar and the taste is slightly sweet.

【 IDENTIFICATION 】

(1) Cross-section of this product: The cork layer is composed of 5 to 30 rows of cells. The inner cork layer is narrow and has large oval oil tubes. The phloem is wide, with many quasi-circular oil tubes, surrounded by 4 to 8 secretory cells, and golden secretions can be seen in the tubes; the rays are mostly curved, and the outer side is often cracked. The cambium is obvious. There are many xylem vessels, which are arranged radially. There is pith at the root head, and stone cells are occasionally seen in the parenchyma.

The powder is light brown. The diameter of the oil tube is 17 to 60 μm , filled with golden secretions. The vascular bundles of the leaf base are often accompanied by fiber bundles. The diameter of the reticulated vessels is 14 to 85 μm . Stone cells are rare, yellow-green, oblong or rectangular, and have thick walls.

(2) Take 1 g of the powder of this product, add 20 ml of acetone, ultrasonically treat for 20 minutes, filter, evaporate the filtrate to dryness, and add 1 ml of ethanol to dissolve the residue as the test solution. Take 1 g of the reference medicinal material of Fangfeng and prepare the reference medicinal material solution in the same way. Then take the reference substance of Cimicifuga and the reference substance of 5-0-methylvisaminol, add ethanol to prepare a mixed solution containing 1 mg of each per 1 ml, as the reference solution. According to the thin layer chromatography method (General Rule 0502), 10Q of each of the three solutions mentioned above are taken and spotted on the same silica gel GF thin layer plate, and chloroform-methanol (4:1) is used as the developing solvent. Develop, take out, dry, and examine under ultraviolet light (254nm). In the chromatogram of the test sample, spots of the same color appear at the corresponding positions of the chromatogram of the reference medicinal material and the chromatogram of the reference sample.

【 INSPECTION 】

The moisture content shall not exceed 10.0% (General Rule 0832 Method 2).

Total ash content shall not exceed 6.5% (General Rule 2302).

Insoluble ash content shall not exceed 1.5% (General Rule 2302).

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【 EXTRACT 】

Determine according to the hot leaching method under the determination method of alcohol-soluble extract (General Rule 2201), using ethanol as the solvent, and shall not be less than 13.0%.

【 CONTENT DETERMINATION 】

Determine according to the high performance liquid chromatography method (General Rule 0512). Chromatographic conditions and system suitability test Octadecylsilane bonded silica gel is used as filler; methanol-water (40:60) is used as mobile phase; detection wavelength is 254nm. The number of theoretical plates calculated based on the peak of cimicifuga should not be less than 2000. Preparation of reference solution Take appropriate amount of cimicifuga reference and 5-O-methylvisaminol reference, accurately weigh, add methanol to make a solution containing 60μg per 1ml, and obtain. Preparation of test solution Take about 0.25g of fine powder of this product, accurately weigh, put it in a stoppered conical bottle, accurately add 10ml of methanol, weigh the weight, reflux in a water bath for 2 hours, cool, weigh again, make up the lost weight with methanol, shake well, filter, and take the filtrate to obtain. Determination method Accurately aspirate 3R of reference solution and 2R of test solution, inject into liquid chromatograph, and determine. This product, calculated on a dry basis, contains not less than 0.24% of the total amount of cimicifuga glycosides (C22 H28O11) and 5-O-methylvisaminol (C22 H28O10).

DECOCTION PIECES

【 PROCESSING 】

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

【 PROPERTIES 】

This product is a round or oval thick slice. The outer skin is gray-brown or brown-brown, with longitudinal wrinkles, some with visible transverse lenticel-like protrusions, dense annular patterns or residual hairy leaf bases. The cut surface of the cortex is brownish yellow to brown with cracks, and the wood is yellow with radial textures. The smell is specific and the taste is slightly sweet.

【 IDENTIFICATION 】 【 INSPECTION 】 【 EXTRACT 】 【 CONTENT DETERMINATION 】

Same as the medicinal material.

【 NATURE AND FLAVOR AND MERIDIANS 】

Spicy, sweet, slightly warm. It enters the bladder, liver, and spleen meridians.

【 FUNCTIONS AND INDICATIONS 】

Dispel wind and relieve exterior symptoms, overcome dampness and relieve pain, and stop spasms. Used for colds, headaches, rheumatism, rheumatoid arthralgia, pruritus, and tetanus.

【 USAGE AND DOSAGE 】

5~10g.

【 STORAGE 】

Place in a cool and dry place to prevent moths.