

RADIX TRICHOSANTHIS



This product is the dried root of *Trichosanthes kirilowii* Maxim. or *Trichosanthes rosthornii* Harms, a plant of the Cucurbitaceae family. It is dug up in autumn and winter, washed, the skin removed, cut into sections or cut longitudinally into petals, and dried.

【 PROPERTIES 】

This product is irregularly cylindrical, spindle-shaped or petal-shaped, 8 to 16 cm long and 1.5 to 5.5 cm in diameter. The surface is yellowish white or light brown, with longitudinal wrinkles, fine root marks and slightly sunken transverse lenticels, and some have yellowish brown outer skin residues. The texture is solid, the cross section is white or light yellow, rich in powder, and the yellow xylem can be seen in the cross section, which is slightly radially arranged, and the yellow striped xylem can be seen in the longitudinal section. The odor is slight and the taste is slightly bitter.

【 IDENTIFICATION 】

(1) The powder of this product is off-white. There are many starch granules, and the single granule is spherical, semicircular or helmet-shaped, with a diameter of 6 to 48 μm , with a umbilical point, a short slit or a herringbone shape, and the layer pattern is faintly visible; the compound grain is composed of 2 to 14 sub-granules, often a large sub-granule and several small sub-granules. The marginated pit vessels are large and mostly broken, and some marginated pits are hexagonal or square and arranged closely. Stone cells are yellow-green, rectangular, oval, square, polygonal or spindle-shaped, with a diameter of 27 to 72 μm , thick walls and fine pores.

(2) Take 2 g of this product powder, add 20 ml of dilute ethanol, ultrasonically treat for 30 minutes, filter, and take the filtrate as the test solution. Take another 2 g of Radix Trichosanthis reference medicinal material and prepare the reference medicinal material solution in the same way. Take the citrulline reference substance and add dilute ethanol to prepare a solution containing 1 mg per 1 ml as the reference solution. According to the thin layer chromatography method (General Rule 0502), take 20 ml of the test solution and the reference medicinal material solution and 10 ml of the reference solution, respectively, and spot them on the same silica gel G thin layer plate, use n-butanol-anhydrous ethanol-glacial acetic acid-water (8:2:2:3) as the developing agent, develop, take out, dry, spray with trichlorfon test solution, and heat at 105°C until the spots are clearly colored. 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 】

Water content shall not exceed 15.0% (General Rule 0832 Method 2).

Total ash content shall not exceed 5.0% (General Rule 2302).

【 EXTRACT 】

Determined by the cold soaking method under the method for determining water-soluble extract (General Rule 2201), it shall not be less than 15.0%.

【 PROCESSING 】

Soak slightly, moisten thoroughly, cut into thick slices, and dry.

【 PROPERTIES 】

This product is in the form of thick slices of quasi-circular, semicircular or irregular shapes. The outer skin is yellow-white or light brown-yellow. Small yellow wood pores can be seen on the cut surface, which are arranged slightly radially. Slight odor, slightly bitter taste.

【 INSPECTION 】

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

【 EXTRACT 】

Determined by cold leaching method under the water-soluble extract determination method (General Rule 2201), shall not be less than 12.0%.

【 IDENTIFICATION 】 【 INSPECTION 】 (WATER CONTENT, SULFUR DIOXIDE RESIDUE)

Same as the medicinal material.

【 NATURE AND FLAVOR AND MERIDIANS 】

Sweet, slightly bitter, slightly cold. Enters the lung and stomach meridians.

【 FUNCTION AND INDICATIONS 】

Clears heat and purges fire, promotes fluid production and quenches thirst, reduces swelling and discharges pus. Used for fever, thirst, dry cough due to lung heat, internal heat and thirst, sores, swelling and poison.

【 USAGE AND DOSAGE 】

10~15g.

【 NOTE 】

Use with caution in pregnant women; should not be used with Chuanwu, processed Chuanwu, Caowu, processed Caowu, and Fuzi.

【 STORAGE 】

Put in a dry place to prevent moths.