

WOODY



This product is the dried root of *Aucklandia lappa* Decne. It is dug in autumn and winter, the sand and fibrous roots are removed, cut into sections, and the large ones are cut into petals longitudinally, and the rough skin is knocked off after drying.

【 PROPERTIES 】

This product is cylindrical or semi-cylindrical, 5-10 cm long and 0.5-5 cm in diameter. The surface is yellow-brown to gray-brown, with obvious wrinkles, longitudinal grooves and lateral root marks. It is hard and not easy to break. The cross section is gray-brown to dark brown, with gray-yellow or light brown-yellow surrounding. The cambium ring is brown with radial texture and scattered brown dot-shaped oil chambers. The aroma is unique and the taste is slightly bitter.

【 IDENTIFICATION 】

(1) The powder of this product is yellow-green. Inulin is common, and radial texture appears on the surface. The wood fibers are mostly bundled, long fusiform, with a diameter of 16-24 μm , and the pores are transversely cracked, cross-shaped or herringbone-shaped. Reticular vessels are common, and there are also L-shaped vessels with margins, with a diameter of 30-90 μm . Oil chamber fragments are sometimes visible, containing yellow or brown secretions.

(2) Take 0.5 g of this product powder, add 10 ml of methanol, ultrasonically treat for 30 minutes, filter, and take the filtrate as the test solution. Take dehydrocostus lactone reference substance and costus lactone reference substance separately, add methanol to make solutions containing 0.5 mg per 1 ml, as reference substance solutions. According to the thin layer chromatography method (General Rule 0502), take 5 of each of the above three solutions and spot them on the same silica gel G thin layer plate, use the upper layer solution of cyclohexane-ethyl formate-formic acid (15:5:1) as the developing agent, develop, take out, dry, spray with 1% vanillin sulfuric acid solution, and heat until the spots are clearly colored. In the chromatogram of the test sample, spots of the same color appear at the corresponding position of the chromatogram of the reference substance.

【 INSPECTION 】

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

【 CONTENT DETERMINATION 】

Determine according to high performance liquid chromatography (General Rule 0512).

Chromatographic conditions and system suitability test Octadecylsilane bonded silica gel is used as filler; methanol-water (65:35) is used as mobile phase; detection wavelength is 225nm, and the number of theoretical plates calculated based on the costusin lactone peak should be no less than 3000. Preparation of reference solution Take appropriate amount of costusin lactone reference and dehydrocostus lactone reference, accurately weigh, add methanol to make a mixed solution containing 0.1mg of each per 1ml, and obtain.

【 PROCESSING 】

Remove impurities from costus cinnamyl lactone, wash, steam thoroughly, cut into thick slices, and dry.

【 PROPERTIES 】

This product is in the form of quasi-circular or irregular thick slices. The outer skin is yellow-brown to gray-brown with longitudinal wrinkles. The cut surface is brown-yellow to brown-brown, with obvious chrysanthemum-shaped radial texture in the middle, the cambium ring is brown, and brown oil (oil chamber) is scattered. The aroma is unique and the taste is slightly bitter.

【 INSPECTION 】

The moisture content shall not exceed 14.0% (General Rule 0832 Method 4).

【 EXTRACT 】

Take the particles of this product with a diameter of less than 3mm, and determine them according to the hot soaking method under the alcohol-soluble extract determination method (General Rule 2201), using ethanol as the solvent, which shall not be less than 12.0%.

【 CONTENT DETERMINATION 】

Same as the medicinal material, the total amount of costus cinnamyl lactone (C₁₅H₂₀O₂) and dehydrocostus lactone (C₁₅H₁₈O₂) shall not be less than 1.5%.

【 IDENTIFICATION 】 【 INSPECTION 】

Same as the medicinal material.

【 PROPERTIES 】

This product is shaped like costus root slices. It has a slight fragrance and a slightly bitter taste.

【 INSPECTION 】

Total ash content shall not exceed 4.5% (General Rule 2302).

【 IDENTIFICATION 】

Same as the medicinal material.

【 PROPERTIES AND MERIDIANS 】

Spicy, bitter, warm. Enters the spleen, stomach, large intestine, triple burner, and gallbladder meridians.

【 FUNCTIONS AND INDICATIONS 】

Promotes qi and relieves pain, strengthens the spleen and aids digestion. Used for chest, flank, and abdominal distension and pain, heaviness after diarrhea, indigestion, and loss of appetite. Stewed costus root strengthens the intestines and stops diarrhea. Used for diarrhea and abdominal pain.

【 USAGE AND DOSAGE 】

3~6g.

【 STORAGE 】

Store in a dry place, away from moisture.

