



陕西绿清生物工程有限公司

Shaanxi Green Bio-Engineering Co.,Ltd

The quality standard of Gypenoside

Gypenoside is Gynostemma Gynostemma (Thunb.) Mak. The whole plant is extracted and replaced by total replacement and then refined.

【Properties】 This product is light yellow powder; it has a slight gas, slightly bitter taste and sweetness. It is easily soluble in hot water and methanol; almost insoluble in silane and chloroform, and insoluble in petroleum ether.

【Identification】 Take this product and dissolve it in methanol to make a solution containing 10mg per 1ml as the test solution; take another Gynostemma saponin-A reference substance and dissolve it in methanol to make a solution containing 1mg per 1ml as a control 品 solution. According to thin layer chromatography (Chinese Pharmacopoeia 1990 edition, an appendix, page 57), draw 2ul each of the test solution and the reference solution, and place them on the same silica gel G thin layer plate with chloroform-ethyl acetate-methanol -Water (15:40:22:10) The lower layer solution placed below 10℃ is the developing agent, spread out 12cm, take it out, evaporate the remaining solvent, spray with 10% sulfuric acid ethanol solution, blow hot air until the spots appear clear, in the sun Check under the UV light (365nm), the test product chromatogram, the spot and the fluorescent spot of the same color are respectively significantly the same color on the corresponding position of the reference substance chromatogram.

【Check】 Loss on drying: Take an appropriate amount of this product and dry it to constant weight at 105℃. The weight loss should not exceed 5%; Residue on ignition: not exceed 1.5%

【Content determination】 Preparation of reference substance solution, accurately weigh out an appropriate amount of gyphenoside-A reference substance dried at 60 ℃ under reduced pressure 2.67KPa for 3 hours, and dissolve in methanol to make a solution containing 2mg per 1ml; To prepare the solution, accurately weigh 50mg of this product, add methanol to dissolve it, and make a solution containing 2mg per 1ml. This product is calculated as dry product and contains total glycosides, calculated as gyphenoside-A, not less than 70.0%.