

# cosmeHerbest™ JUNSAI

This product is extracted with 1,3-Propanediol solution from the leaves of *Brasenia schreberi* J.F.Gmel. (*Cabombaceae*).

## Manufacturing method

Add water to fresh leaves of *Brasenia schreberi* J.F.Gmel. (*Cabombaceae*), after pressurizing with high temperature treatment, concentrate the solution, add anhydrous ethanol and obtain the precipitate. Dissolve it to water, after filtering, add propanediol into filtrate, and furthermore filter as the product.

Raw material: Fresh leaves of *Brasenia schreberi* 1kg → Product: about 1.0kg

## Description

This product is pale yellowish brown to pale reddish brown slight cloudy liquid, and it is having slight characteristic odor.

## Identification

- Sugar

To 0.5mL of this product add 2 to 3 drops of  $\alpha$ -naphthol • ethanol solution and shake well, add gently 1 to 2mL of sulfuric acid; reddish purple color develops in contact zone.

## Purity

- Heavy metals

Take 1.0g of this product, determine heavy metals according to method 2: the limit is not more than 20ppm. Use 1.0mL of standard lead solution as the control solution.

- Arsenic

Take 1.0g of this product, prepare the test solution according to method 3, and perform the test: the limit is not more than 2ppm.

## Bacterial Count

Take 5g of this solution, make 50mL test solution with diluent and perform the bacterial count test, using standard agar medium according to Hygiene Test Method; the limit is not more than  $1 \times 10^2$  cfu/g.

## Fungus Count

Take 5g of this solution, make 50mL test solution with diluent and perform the fungus count test using potato dextrose agar medium added chloramphenicol according to Hygiene Test Method; the limit is not more than  $1 \times 10^2$  cfu/g.

## Coli form

Take 1mL of the solution which prepare the bacterial count test, and perform the coli form test using BGLB medium according to Hygiene Test Method; Negative / Not observe any colony.

These standards and test method are referred to General Notices and General Tests, Processes and Apparatus of The Japanese Standards of Quasi-drug Ingredients, unless otherwise specified.

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Published on April 28, 2017  
Revised on September 4, 2017