

cosmeHerbest™ LITCHI

This product is extracted with 1,3-Propanediol solution from the seed of *Litchi chinensis* Sonn. (*Sapindaceae*).

Manufacturing method

Add 1,3-Propanediol solution to the seed of *Litchi chinensis* Sonn. (*Sapindaceae*), after extracting, filter as the product.

Raw material: Seed of Litchi 50 g \longrightarrow Product: about 0.5 – 0.8 kg

Description

This product is pale reddish yellow to dark reddish brown liquid, and it is having slightly characteristic odor.

Identification

- Anthocyanin

Add 5mL of methanol to 1 drop of this product, heat 80°C in a water bath for 10min. after adding 0.2mL of hydrochloric acid; red color develops.

- Flavonoid

Take 1mL of this product, add methanol to make 50mL as the test solution. Use 2mL of this test solution, add 0.1g of magnesium ribbon and 1mL of hydrochloric acid and allow to stand; red color develops.

- Saponin

To 0.3mL of this product add 5mL of acetic anhydride. Add gently 1mL of sulfuric acid; reddish brown color develops in contact zone.

pH (1→10) : 4.5 to 6.5

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 1×10^2 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 1×10^2 cfu/g.

Coliforms

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.

Product Name	: cosmeHerbest™ LITCHI
Expiry date	: 2 years from date of manufacturing
Storage	: Store in a cool, dry, ventilated location. Keep away from high temperature and sunlight, store in the closed containers.
Manufacturer	: ORYZA OIL & FAT CHEMICAL CO., LTD. 1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-pref. 493-8001 JAPAN

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