

# cosmeHerbest™ KIWI

This product is extracted with 1,3-Propanediol solution from the seed of *Actinidia chinensis* Planch (*Actinidiaceae*).

## Manufacturing method

Add ethanol to the seed of *Actinidia chinensis* Planch (*Actinidiaceae*), after removing ethanol with aroma and oil substances, extract with 1,3-Propanediol solution and filter as the product.

Raw material: Seed of Kiwi 100 g  $\longrightarrow$  Product: about 0.8 – 1.0 kg

## Description

This very slightly yellowish green to pale yellow liquid, and it is having slightly characteristic odor.

## Identification

- Polyphenol

Add 3.5mL of water to 30  $\mu$  L of this product, add 0.2mL of Folin-Denis TS\*<sup>1</sup> and 0.4mL of saturated sodium carbonate\*<sup>2</sup>; blue color develops.

- 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 brown color develops in contact zone.

\*1: Folin-Denis TS: Dilute the Folin-Ciocalteu reagent 2-fold with water

\*2: Add 35g of Sodium carbonate, anhydrous with 100mL of water and dissolve at 70 to 80 °C. Allow to stand for 1 night, remove the precipitate and use supernatant solution.

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  $1 \times 10^2$  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.

## 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™ KIWI
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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