



ORYZA OIL & FAT CHEMICAL CO.,LTD.

1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-prefecture 493-8001 JAPAN

TEL:+81-586-86-5141 FAX:+81-586-86-6191

URL: <https://www.oryza.co.jp/> E-mail: info@oryza.co.jp

PRODUCT STANDARD

PRODUCT NAME : **YUZU SEED EXTRACT-PC** (COSMETIC)

This product is extracted with aqueous ethanol from Yuzu seed, the seeds of *Citrus junos* (Rutaceae). It contains minimum 0.5 % of limonin.

Appearance

Slightly yellow-brown powder with slight characteristic odor.

Content of Limonin

Min. 0.5 % (HPLC)

Identification

Nomilin

After methanol (HPLC grade) is added to 0.1 g of this product in a 10 mL volume flask, and the flask is treated with ultrasonic wave for 1 minute. The solution is filtered through a 0.45 μ m PTFE filter after addition of methanol (HPLC grade) to an adequate volume. For preparation of standard solution, methanol (HPLC grade) is added to nomilin in 0.2 mg/mL. HPLC analysis is performed according to the conditions below for 5 μ L of test solution and standard solution. The peak of nomilin is found in the HPLC chromatogram of test solution.

Loss on Drying

Max. 10.0 % (1g, 105 °C, 2 hr)

Purity Test

(1)Heavy Metals (as Pb)

Max. 10 ppm (The Second Method of The Japanese Standards of Quasi-Drug Ingredients)

(2)Arsenic (as As₂O₃)

Max. 1 ppm (The Third Method of The Japanese Standards of Quasi-Drug Ingredients)

Standard Plate Counts

Max. 1×10² cfu/g (Analysis for Hygienic Chemists)

Moulds and Yeasts

Max. 1×10² cfu/g (Analysis for Hygienic Chemists)

Coliforms

Negative (Analysis for Hygienic Chemists)

Composition

Ingredient Content (Values are just a guide)

Dextrin 60 %

Citrus Junos Seed Extract 40 %

Total 100 %

Expiry date

2 years from date of manufacturing.

Storage

Store it in a cool, dry, ventilated area with desiccant.

Keep it away from high temperature and sunlight, and store it in a closed container.

Established Date	December 10, 2004
Revised Date	October 13, 2023
Specification No.	Z-313EN