

ROSE FRUIT EXTRACT BG-01

- A Plant Derived Pore Care Ingredient -



 MARUZEN PHARMACEUTICALS CO., LTD.

Introduction



Pore Care

Pore care has become the new word in the cosmetic industry. Visible pores are generally caused by excessive sebum secretion and sagging skin.

In recent years, the demand for novel anti-aging cosmetics and the increase in people complaining of dry skin has led to greater attention to pore care cosmetics.

Maruzen Pharmaceuticals has developed ROSE FRUIT EXTRACT as an ideal multi-pore-care ingredient.

What is Rose Fruit?

The dried mature fruit of this plant is called 'Eijitsu' (薔実). In Japan, it is traditionally used as a purgative and is listed in Japanese Pharmacopoeia. In China, it is called 'Syoubi' (多花薔薇) and its flower oil is used for mouth inflammation treatment. It contains flavonoids and tannins.

Features

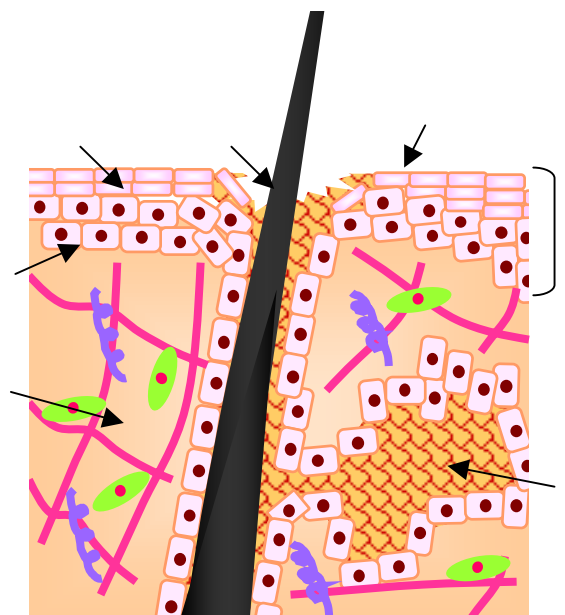
Main Causes of Visible Pores:

- Excessive Sebum Secretion
- Keratotic Plugs and Oxidation
- Incomplete Keratinization
- Dry Skin
- Sagging
- Melanin Synthesis

Functions of ROSE FRUIT EXTRACT

- Reduction of Sebum Secretion
- Astringent Effect
- Inhibition of Lipid Peroxidation
- Regulation on Keratinization
- Moisturizing Effect
(Promotion of Filaggrin Synthesis)
- Elasticising Effect
(Promotion of Collagen Synthesis)
- Inhibition of Melanin Synthesis

How ROSE FRUIT EXTRACT works?



Clinical Study

Pore Shrinking Effect

<Method>

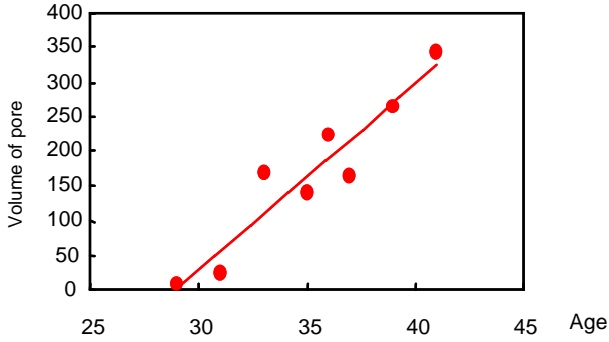
Test sample : 1% ROSE FRUIT EXTRACT lotion & control lotion

Subject : 8 healthy volunteers

Application : Cheek, twice daily for 1 month

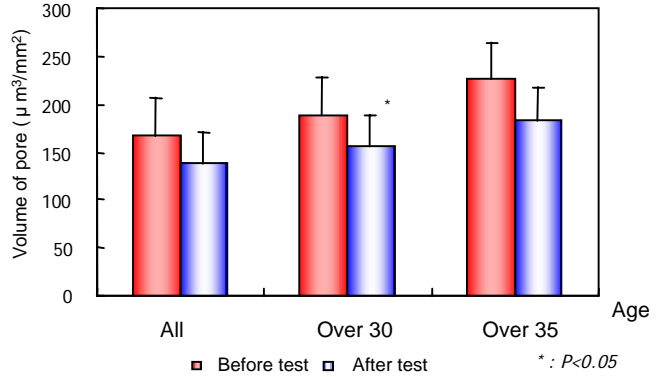
Evaluation : Replica method

Relationship between Pore Volume and Age



The volume of the pores increases as one ages.

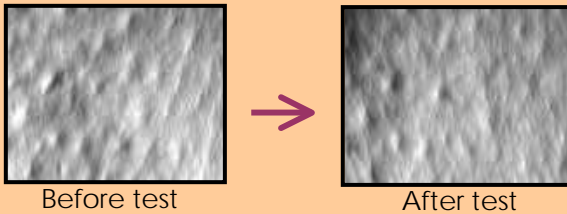
Change in Volume of Pores



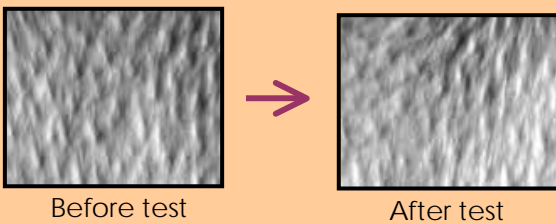
The volume of pores was significantly decreased by applying 1% ROSE FRUIT EXTRACT. (*: $P < 0.05$)

Picture of Replicas

Volunteer A

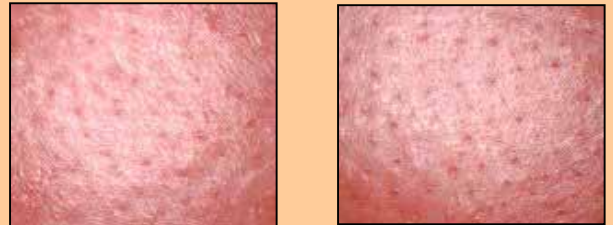


Volunteer B



Pore volume was decreased.

Microscopic Picture

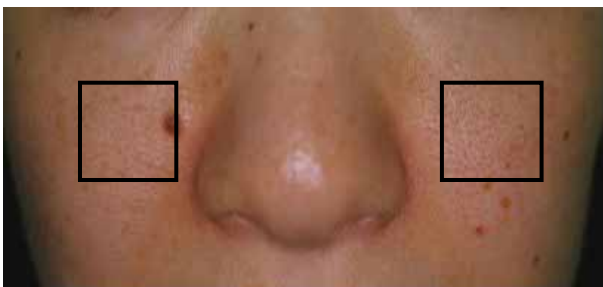


1% ROSE FRUIT EXTRACT

Control

The appearance of pores is less visible.

Picture of Volunteer



1% ROSE FRUIT EXTRACT

Control

1 month application



1% ROSE FRUIT EXTRACT

Control

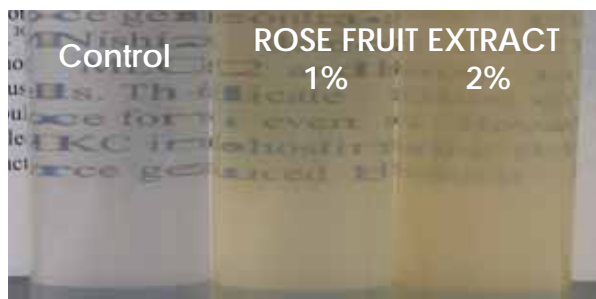
ROSE FRUIT EXTRACT made pores less visible.

Biological Activity

Astringent Effect – Protein Aggregation in Albumin Solution –

Pores on the dermis are temporarily firmed and excessive sebum secretion is inhibited by the astringent effect which diminishes the appearance of pores.

ROSE FRUIT EXTRACT	1%	2%
Turbidity Unit	42.9	74.9
1% Tannin solution	1%	5%
Turbidity Unit	22.4	55.0

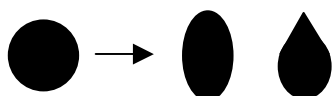


By turbidity meter

Collagen Synthesis Effect

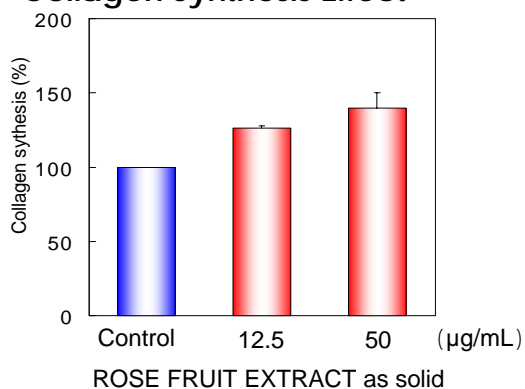
Sagging skin causes a change in the shape of pores which makes pores more visible. It is a serious skin complaint among people in their 40's, especially on the cheeks. Inhibiting sagging is one major solution to care for skin pores.

Pores on Sagging Skin



Normal pore

Collagen Synthesis Effect



Product Information

Botanical name	: <i>Rosa multiflora</i> Thunberg (<i>Rosaceae</i>)
Product name	: ROSE FRUIT EXTRACT BG-01
INCI name	: ROSA MULTIFLORA FRUIT EXTRACT
Regulatory status	: JSQI

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