 Made in Japan

To recover hair growth cycle

FUJI MULBERRY ROOT EXTRACT

For hair growth tonic



Raw material

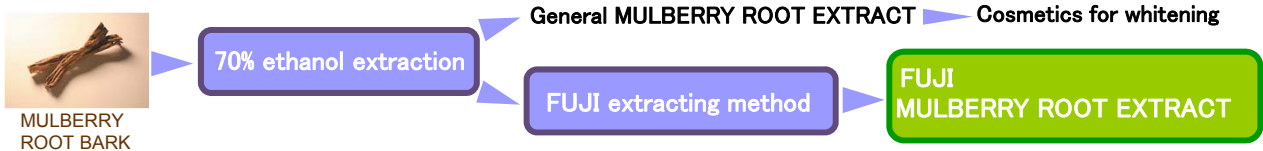
What is MULBERRY ROOT EXTRACT ?

- MULBERRY ROOT EXTRACT has been used in traditional Chinese medicine for
 - A.the prevention of hypertention
 - B.Relieving fatigue
 - C.Tonic property
- It is recently used in cosmetics for whitening effectiveness.

FUJI MULBERRY ROOT EXTRACT

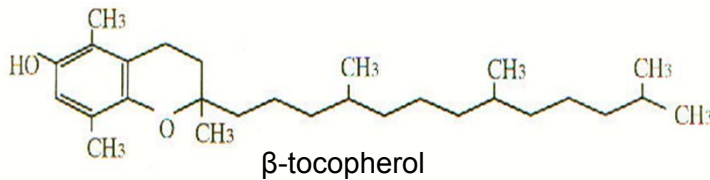
As a result of having tried various extraction method, We found its new effect !

FUJI MULBERRY ROOT EXTRACT recovers hair growth cycle, which causes improvement of thinning hair.



Active ingredients in FUJI MULBERRY ROOT EXTRACT

FUJI MULBERRY ROOT EXTRACT includes β -tocopherol that has been confirmed by the test as one of the active ingredients to recover hair growth cycle.



Moreover we assume that there should be more than 2 other effective ingredients in it but unfortunately we have not been able to find them out at this moment.

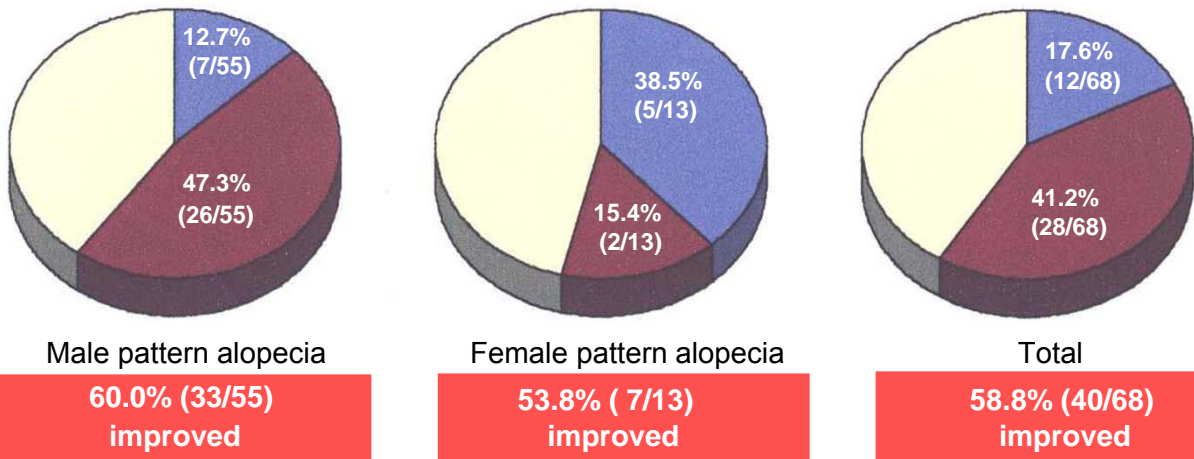
Clinical efficacy

Main hospital : Kochi Red Cross Hospital etc. Subject : Male and female pattern alopecia

Number : Male 55, Female 13 Length : 3~9 months

Dose : Twice a day (For a dose : 2mL)

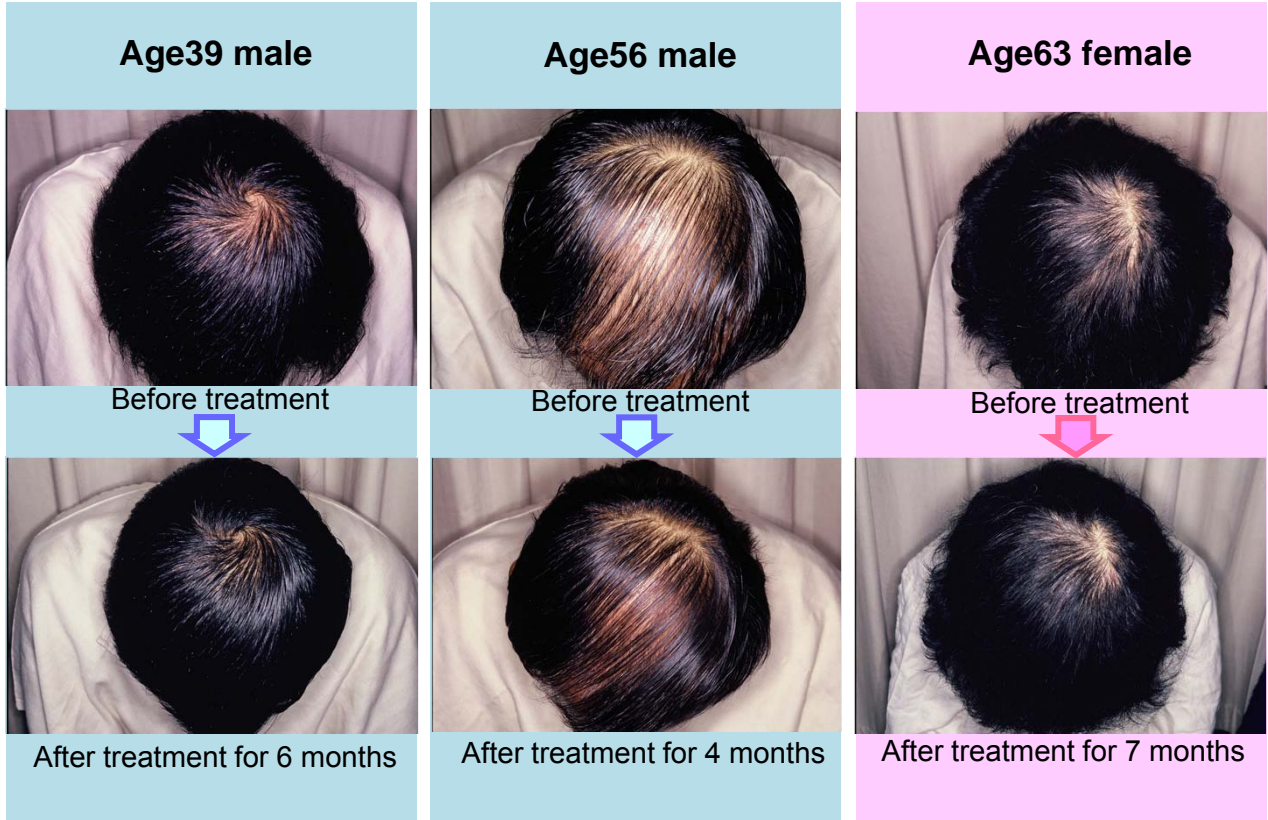
■ Prominent improvement
■ Improvement



Prominent improvement of the human clinical test

Prominent improvement is defined that more than 50% of thinning hair is improved comparing with before testing.

These are the pictures of the prominent improvement of the human clinical test.



Material information

Ingredient of FUJI MULBERRY ROOT EXTRACT		
MORUS ALBA ROOT EXTRACT	ALCOHOL	WATER

Aspect	Verification test		
	Flavonoids	Triterpenoid	Mulberry Root Extract
Yellow brown colored and transparent liquid with peculiar smell. Metallic taste.	The liquid presents blight red~red	Interface presents dark reddish-brown	The neighborhood of 0.28(yellow~yellowish-brown) The neighborhood of 0.35(yellow~yellowish-brown) The neighborhood of 0.38(yellow~yellowish-brown)

Value of merit			Purity test	
pH	Specific gravity	Alcohol number	Heavy metals	Arsenic
4.0~5.9	d ₂₀ ²⁰ 0.82~0.92	More than 7.5	Max. 10ppm	Max. 2ppm

Component content			
Residue on evaporation	Residue on ignition	Extractive content n-hexaneextract	SanggenonC content
1.0~1.2%	Max. 0.1%	12~36%	0.16~0.50mg/mL

Product name	Aspect
FUJI MULBERRY ROOT EXTRACT	Liquid

40 degrees C for 6 months, room temperature for 3 years –
Preserve the quality

For storage : You should store it in the bottle with airtight stopper in a cool and dark place and keep it away from fire and heat resource.

Caution when creating the mixture

Formulation of FUJI MULBERRY ROOT EXTRACT

Alcohol: 69.23%, Water: 29.67%, and solid content Mulberry root extract: 1.1%

Recommended dosage

30% (solid content mulberry root extract: 0.33%)

Caution when creating the mixture

The extract is dissolved in a solution of at least 70% alcohol.

The alcohol concentration of the end product must be kept at least 70%.

The ethanol concentration can be lowered by a solubilizer, but this causes the solution to become bubbly.

The lowest alcohol concentration in which a solubilizer works properly is approximately 50%.

Solubilizers verified by Fuji-Sangyo

1. Polyoxyethylene polyoxypropylene decyltetra decylether
(trade name: NIKKOL PEN4612 :Nikko Chemicals Co., Ltd.)

INCI: PPG-6-DECYLTETRADECETH-12

This is a highly safe solubilizer that does not create too many bubbles.

When 30% of a solution is mulberry root extract and the ethanol concentration is 50%, the extract can be dissolved when a 0.5% solubilizer is added.

2.Polyoxyethylene hydrogenated castor oil

(trade name: NIKKOL HCO-50 or HCO-40:Nikko Chemicals Co., Ltd.)

INCI: PEG-50 HYDROGENATED CASTOR OIL

INCI: PEG-40 HYDROGENATED CASTOR OIL

This is a highly safe solubilizer. It is used in pharmaceutical drink products, eye drops, and injection solutions. However, it tends to create more bubbles than solubilizer 1 above.

When 30% of a solution is mulberry root extract with an ethanol concentration of 50%, the extract can be dissolved when a 0.7% solubilizer is added.

Manufacturer

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