

The Source of My Strength,
3Times a Day

リグナン若葉
Lignan Young Leaves

朝・昼・晩
僕は毎日
元気の源!!

アクテオサイド

ゴマソムリエ®の

食べやすい元気の粒!!

今注目の、葉酸・ポリフェノール・鉄などミネラルを含有

元気の粒

鉄分
[Iron]

ポリフェノール
[Polyphenol]

葉酸
[Folic acid]



150g



8mm

Life-size

Sesame Sommelier's
Acteoside Power
Tablets

Product Name: Acteoside Vitality Tablets

- Name of Product: Processed Sesame Leaf Food Supplement
- Ingredients: Sesame young leaves (produced in Japan), reduced malt syrup/ crystalline cellulose, calcium stearate, silicon dioxide
- Best Before: Indicated at the bottom outside the frame (year and month)
- Storage Instructions: Store in a cool, dark place away from direct sunlight.
- Distributor: Wadaman Science Co., Ltd.
546 Nijoden-cho, Karasuma-Oike Agaru, Nakagyo-ku, Kyoto, Japan
- Manufactured at: Wadaman Science Co., Ltd. - Biwako Factory
262-189 Ayame, Yasu-shi, Shiga, Japan
- Recommended Intake
Take 20 tablets per day (equivalent to approx. 3 g of sesame young leaf raw material).
- Precautions
After opening, be sure to close the cap tightly after each use. Depending on your physical condition or combination with other foods, you may experience temporary loose stools. If this occurs, adjust the intake amount.
- Nutrition Facts
(Per 20 tablets/5 g)

Energy: 13kcal, Protein: 0.4g, Fat: 0.2g, Carbohydrates: 3.9g
(Sugars: 1.2g, Dietary fiber: 2.7g). Salt equivalent: 0.0009g

Polyphenols: 82mg Acteoside: 67-83mg

※ The above values are examples of analytical results.
※ Calculated from measured values of raw materials. Because the content is measured by weight (grams), the number of tablets may vary slightly.

You can obtain 3g
of sesame
young leaf powder
in 20 tablets (5g),
which is equivalent to
approximately 42g
of fresh sesame
young leaves

About the Development of Sesame Young Leaf Green Juice

The idea of creating sesame young leaf green juice came about by chance. One day, while thinning out sesame sprouts that had grown in a planter, I decided to taste one. At that moment, it felt as if an electric shock ran through my entire body. The strong bitterness made me think, "This must be good for the body."

I immediately grew the sesame plants to the young leaf stage and made a green juice from them. To my surprise, the bitterness made it pleasantly drinkable and delicious.

As I continued researching the components, I discovered that sesame young leaves are rich in nutrients such as **polyphenols, folic acid**, and iron. Of course, toxicity tests using mice have also been cleared. At that moment, I became confident that this sesame young leaf green juice could truly help many people and bring them joy.

Today, our sesame young leaves are cultivated in Kagoshima Prefecture. We work closely with local farmers—from soil preparation to cultivation and harvesting. To deliver fresh sesame young leaf green juice, the harvested leaves must reach the factory within one hour. Thanks to the farmers' warm dedication and cooperation, this has become possible.

It is my sincere hope that many people will enjoy this sesame young leaf green juice, and that it will contribute both to their long-term health and to supporting the farmers who grow it. "I am truly grateful for the encounter with sesame young leaves!"



Sesame Sommelier
KATSUNORI FUKAHORI

Comparison of Sesame Young Leaf Powder and Other Green Juice Powders

Sesame Young Leaf – Component Comparison Table

(All values per 100 g, except for Superoxide Dismutase (SOD)-like activity)

Analysis Items	Sesame Young Leaf Powder	Barley Young Leaf Powder	Kale Powder
Moisture	2.5g	5.4g	4.5g
Iron	6.72mg	20.6mg	5.5mg
Folic Acid	0.2mg	290µg	540µg
Calcium	1690mg	429mg	1530mg
Potassium	2580mg	1430mg	2170mg
Magnesium	368mg	142mg	248mg
Vitamin A (Retinol Equivalent)	473µg	72µg	206µg
α-Carotene	—	Not detected	Not detected
β-Carotene	5680µg	864µg	2470µg
Vitamin B2	0.72mg	0.85mg	0.81mg
Vitamin E (α-Tocopherol)	9.7mg	3.4mg	8.7mg
Lutein	13.6mg	9.17mg	9.25mg
Superoxide Dismutase (SOD)-like Activity	4100units/g	80units/g	630units/g
Polyphenols	1800mg	600mg	860mg

Except for the superoxide dismutase (SOD)-like activity values, all data are per 100 g.) The nutritional components of sesame young leaves are based on the analysis report from the Japan Food Research Laboratories (Report No. 207111280). The above values are examples of analytical results and may vary depending on the cultivation year.

The polyphenol value for sesame young leaves is based on the analysis by the Japan Food Hygiene Association (T071-038655).

The analytical values for barley young leaves and kale are based on the report from the Japan Food Research Laboratories, Report No. 206080579 (analyzed in August 2006).

Pesticide residue testing has confirmed that no agricultural chemicals are present.

A comprehensive qualitative screening test for 264 types of pesticides detected none.

試験機関 イカリ消毒株式会社 LC環境検査センター

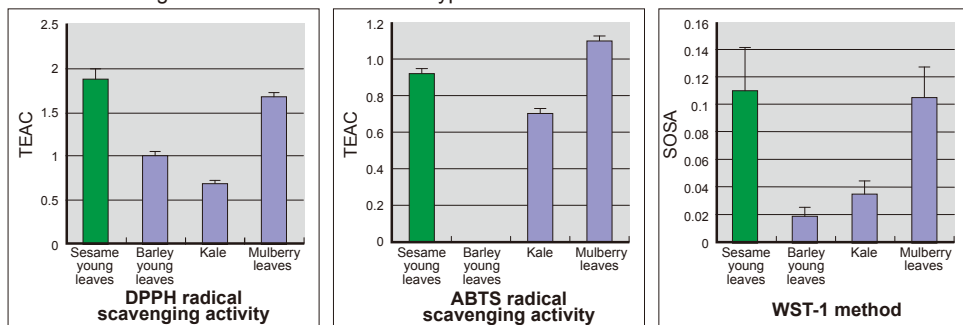
Acute Oral Toxicity Test Using Mice

In the toxicity study, no deaths or abnormalities were observed during the observation period. At the end of the observation period, necropsy results also showed no abnormalities in any of the animals. LD₅₀ value: ≥ 2,000 mg/kg

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Comparison of Antioxidant Activity Based on Polyphenol Content in Sesame Young Leaves

~Sesame Young Leaves Contains Potent Polyphenols~



The antioxidant activity of sesame young leaves is considered to be derived from their polyphenol content. The above comparison shows the antioxidant activity of each material relative to its polyphenol content. In general antioxidant activity tests, mulberry leaves exhibit strong antioxidant properties. However, when comparing antioxidant activity per unit of polyphenol, sesame young leaves demonstrate antioxidant capacity comparable to that of mulberry leaves.

The polyphenol content of each material was calculated using the Folin-Ciocalteu method. WST-1 method: A measurement method for superoxide anion radical (SOSA) scavenging activity. (The SOSA of each sample is expressed as SOD-equivalent activity. The activity is defined by assuming that the IC₅₀ (µL/mL) of SOD and the IC₅₀ (µL/mL) of the sample exhibit equivalent activity. The SOSA per 1 mg of sample is expressed in SOD units. SOD-equivalent activity = (IC₅₀ of SOD) / (IC₅₀ of the sample).)

The antioxidant activity of sesame young leaves is supported by acteoside (one of the polyphenols).

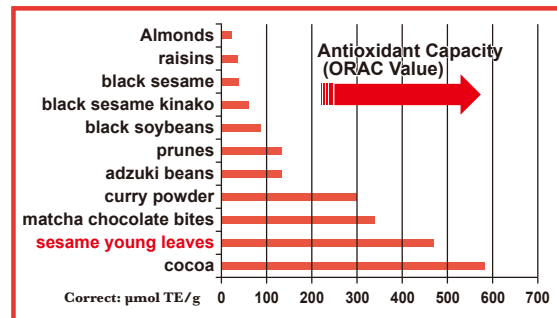
The figure on the right compares the ORAC values—an indicator of antioxidant capacity—among various vegetables.

For more information about acteoside, please see "Sesame Young Leaves in 3 Minutes (Acteoside Edition)" at the link below:

<https://www.youtube.com/watch?v=Vex0uRERkk4>
(youtube.com in Bing)



※ The ORAC value of sesame young leaves is 470 µmol TE/g.



Find more information on Sesame Sommelier's Acteoside Power Tablets

Seller : **Wadaman Science Co., Ltd.**, NT Miyako Bldg. 9F, 546 Nijodencho, Nakagyo-ku, Kyoto-shi 604-0845

To contact or place an order, call **0120-46-1158** (Telephone reception hours/10:00-17:00 weekdays)

Internet