

Raw Materials/Products Standards

Wadaman Science Co., Ltd.
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<http://www.wadaman-s.com/English/indexE.html>

Product Name: Sesame Young Leaf Powder

Feature: Sesame Young Leaf Powder is the fountain of the power of Sesame. It contains plenty of Folic acid and Polyphenole inside.

Label Name Examples: Sesame Young Leaf Powder, Sesame Leaf Powder

Standard of Intake: 2 - 6 g /day No special law as a food

Place of Production: Kyushu (Kagoshima Pref., Kumamoto Pref.), Shimane Pref.

1. Main Raw Material

Raw Material	Standard	Additives
Sesame Leaves 100%	Company Standard	None

2. Quality Standards

Standard item	Standard content	Method of Analysis, test
Property	No different taste, smell, having its own taste.	Comparing with the standard products.
Moisture	Less than 10% (provisional value)	Drying method
General viable cell count	Less than 3,000/g	Standard methods agar
Coliform bacteria count	None	Desoxychilate agar
As ₂ O ₃	Less than 2 ppm	Atomic Absorption Spectorophotometry
Pb	Less than 20ppm	Sulphuretted sodium colorimetric method
Foreign matter	Not Permitted	Ferrous Magnet, metal detector, Visual Inspection

3. Use of the Specific(allergic) raw materials: None

4. Manufacturing Process

Raw material ⇒ Washing ⇒ Cutting ⇒ Blanching ⇒ Cooling ⇒ Dehydration ⇒ Drying ⇒ Selection
⇒ Metal Detector ⇒ Smashing ⇒ Pasteurization ⇒ Metal Detector ⇒ Smashing
*200mesh
⇒ Metal Detector ⇒ Packaging ⇒ Delivering

5. Packaging Form: 10kg / box (Inside: Plastic bag, Outside: Cardboard box)

6. Label

*Kyushu Sesame Leaves

LOT: Wmm - nnnnndd *
Name: Sesame Leaves
NET: 10kg

Name: Sesame Leaves (Kyushu)
Best Consume:****/**/*
Wadaman Science Co., Ltd.
546Karasuma-Oike agaru, Nijoden-cho,
Nakagyo-ku, Kyoto, Japan
Tel (075)222-7318 Fax (075)222-0318

*W= Wadaman Science, mm = Month of packaging (Sep. =SE, Oct. =OC etc.), nnnnn = box number(00001-), dd= the day of packaging

***Shimane Sesame Leaves**

Name: JAS Sesame Leaves
 LOT:
 NET: 10kg



Name: JAS Sesame Leaves
 Best Consume:****/**/**
 Wadaman Science Co., Ltd.
 546Karasuma-Oike agaru, Nijoden-cho,
 Nakagyo-ku, Kyoto, Japan
 Tel (075)222-7318 Fax (075)222-0318

7. **Keeping Condition:** Please keep it away from direct sunlight, heat and humidity. Please keep it in a cool dark place.
8. **Best Consume:** 2 years from the date of manufacture.
9. **Nutrition Label (100g)**

Nutrition	Shimane(Ex.)	Kyushu(Ex.)
Moisture	8.0g	2.5g
Protein	21.5g	13.5g
Lipid	4.2g	3.6g
Ash	15.6g	9.6g
Carbohydrates	50.6g	70.8g
Energy	326kcal	370kcal
Sodium	15.6mg	16.5mg

10. **The result of analysis** (This analysis based on the test of 100g without SOD value) :

Analysis Test Item	Shimane Sesame Leaves Lot.061116	Kyushu Sesame Leaves Lot.woc0000118 - woc0018018
Moisture	8.0g	2.5g
Iron	16.6mg	6.72mg
Folic Acid	760MU/g	200MU/g
Calcium	1,360mg	1,690mg
Potassium	4,900mg	2,580mg
Magnesium	477mg	368mg
Vitamin A	187MU/g	473MU/g
Alpha-Carotene	40MU/g	None
Beta-Carotene	2,220MU/g	5,680MU/g
Riboflavin(Vitamin B2)	1.4mg	0.72mg
Vitamin E(Alpha-Tocopherol)	4.2mg	9.7mg
Lutein	11.3mg	13.6mg
Superoxide Dismutase (SOD)	1,500 units/g	4,100units/g
Polyphenole	1,300mg	1,800mg

Analysis Organization: Japan Food Research Laboratories
 (Polyphenole Analysis: Japan Food Hygiene Association)

*The value of Iron has been changed from 203mg to 16.6mg after the second analysis
 (revised January 17, 2008)

*We show these data as an example, not as standard values.

The acute oral toxicity testing with male mice

1. **Death Cases**...No death case was found in any mice on the test.
2. **Usual Condition**...No abnormality found in any mice on the test.
3. **Consideration**...The acute oral toxicity examination using male mice about the specimen was executed. The specimen was administered by the dosage of 2,000 mg/kg, neither abnormality nor the death case was admitted during the term of the observation. Therefore, it was thought that the LD50 value by the single time oral administering in the mice of the specimen was 2,000 mg/kg or more in the male mice.

11. **Other Examinations**

Agricultural Chemicals: There were no agricultural chemicals detected in the specimen.

Total Pheophorbide: 10mg% **Existing Pheophorbide:** 8mg%

Chlorophyllase: 2mg% **Total Chlorophyll:** More than 120mg/100g