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Material/Product Specification

Name of Product: Fermented Sesame

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Seller: Wadaman Science Co., Ltd.
 Manufacturer: Miyatou Wild Herb Research Laboratory Ltd.
 7-7, Kodancho, Myoko-shi, Niigata

■ **Product characteristics**

The product is a paste obtained by adding lactic acid bacteria to sprouted black sesame as a main ingredient and 61 kinds of wild herbs, vegetables and fruits, and fermenting and aging the mixture for one year and a half.

■ **Packaging form** ① Product 140 g-bottle type ② 1 kg-pack for business use

■ **Standard daily intake** One rounded teaspoonful. About 5 to 10 g

Though there is no particular basis for this standard, about 2.5 g of sesame can be ingested by about 5 g intake.

■ **Raw materials used**

The raw materials used for the fermented sesame are listed in decreasing order of amount in each group.

Group	Order	Raw material	Group	Order	Raw material	Group	Order	Raw material	Group	Order	Raw material
Sesame		Sesame paste	Wild herbs	17	Polygonatum falcatum	Vegetables	1	Cabbage	Fruits	1	Papaya
Saccharides	1	Sucrose		18	Leaves of ginkgo		2	Bean sprouts		2	Pineapple
	2	Oligosaccharide		19	Silver vine		3	Cucumber		3	Apple
	3	Starch syrup		20	New Zealand spinach		4	Onion		4	Lemon
	4	Brown sugar		21	Gynostemma pentaphyllum		5	Japanese radish	5	Orange	
Wild herbs				22	Turmeric		6	Carrot	6	Melon	
	1	Sickle senna		23	Eleutherococcus senticosus		7	Burdock	7	Avocado	
	2	Houttuynia cordata		24	Dayflower		8	Lotus root	8	Mango	
	3	Japanese honeysuckle		25	Cassia occidentalis		9	Potato	9	Kiwi	
	4	Rooibos tea		26	Pine needles		10	Yam	10	Banana	
	5	Field horsetail		27	Aloe arborescens		11	Spinach	11	Raspberry	
	6	Leaves of Chinese matrimony-vine		28	Mallotus bark		12	Broccoli	12	Mandarin orange	
	7	Leaves of plantain		29	Lycium fruit		13	Parsley	13	Sweet summer orange	
	8	Mugwort		30	Sasa veitchii		14	Tomato	14	Blueberry	
	9	Adlay		31	Dandelion		15	Shiitake mushroom	15	Strawberry	
	10	Ground ivy		32	Leaves of nandina		16	Grifola frondosa	Others		Sea tangle
	11	Licorice		33	Quercus serrata		17	Brassica campestris var. perviridis			
	12	Acanthopanax sieboldianus	34	Galeola septentrionalis	18		Sword bean				
	13	Hypericum erectum			19		Turnip				
	14	Cassia bark (cinnamon)			20		Allium tuberosum				
	15	Goosefoot			21		Garlic				
	16	Cassis mimosoides subsp. nomame									
17	Polygonatum falcatum										

as of May 2014

(There are cases where a part of the raw materials are changed according to season, etc.)

■ **Storage conditions**

Store the product in a cool, dark place avoiding direct sunlight and high temperature and humidity.
 Store the product in a refrigerator after opening.

■ Best-before date 365 days from the production date

■ Actual measurement values of ingredient analysis (per 100 g of product)

Energy	415kcal	Proteins	10.8g	Sodium	16.7mg	Iron	3.69mg
Lipids	22.3g	Carbohydrates	42.8g	Calcium	512mg	Magnesium	182mg

※ Analysis organization Japan Food Research Laboratories Report NO: 104021356-001 (February 20, 2004)

■ Specification values of bacteria count General viable cell count 3000 or less Coliform bacteria (negative)/g

■ Reference test "Acute oral toxicity test using male mice"

※ Japan Food Research Laboratories Report NO: 503120134-002

1. Death case

No death case was observed in any of the treated groups during the observation period.

2. General conditions

No abnormality was observed in any of the treated groups during the observation period.

3. Consideration

A sample was subjected to an acute oral toxicity test using male mice. As a result of administration of the sample at a dose of 1000 mg/kg, abnormality or death was not observed during the observation period. Accordingly, the LD50 value of the sample to male mice by single oral administration was considered to be 1000 mg/kg or more.

■ Production process

● Production process of a wild herb extract: Blending of wild herbs → hot-water extraction → preparation of a wild herb extract

● Production process of a vegetable and fruit extract: Slicing of fresh vegetables and fresh fruits → extraction with sugar → fermentation for one month → preparation of a vegetable and fruit extract

※ Blending of the above wild herb extract and vegetable and fruit extract → addition of fermentation bacteria → fermentation and aging for one year → blending of a sprouted black sesame paste → aging for half a year → sterilization step → completion of preparation of fermented sesame

● Addition dated March 11, 2015

Sterilization step was added, and setting of a metal detector was deleted.

■ The following are labeling names recommended for product labeling.

← Labeling name different from the name of raw material

Group	Order	Raw material	Recommended name
Sesame		Sesame paste	Sesame paste
Saccharides	1	Sucrose	Sugar
	2	Oligosaccharide	Oligosaccharide
	3	Starch syrup	Starch syrup
	4	Brown sugar	Brown sugar
Wild herbs	1	Sickle senna	Sickle senna
	2	Houttuynia cordata	Houttuynia cordata
	3	Japanese honeysuckle	Japanese honeysuckle
	4	Rooibos tea	Rooibos
	5	Field horsetail	Field horsetail
	6	Leaves of Chinese matrimony-vine	Leaves of Chinese matrimony-vine
	7	Leaves of plantain	Plantain
	8	Mugwort	Mugwort
	9	Adlay	Adlay
	10	Ground ivy	Ground ivy
	11	Licorice	Licorice
	12	Acanthopanax sieboldianus	Acanthopanax sieboldianus
	13	Hypericum erectum	Hypericum erectum
	14	Cassia bark	Cassis-bark tree
	15	Goosefoot	Goosefoot
	16	Cassia mimosoides subsp. nomame	Cassia mimosoides subsp. nomame
	17	Polygonatum falcatum	Polygonatum falcatum
	18	Leaves of ginkgo	Leaves of ginkgo
	19	Silver vine	Silver vine
	20	New Zealand spinach	New Zealand spinach
	21	Gynostemma pentaphyllum	Gynostemma pentaphyllum
	22	Turmeric	Turmeric
	23	Eleutherococcus senticosus	Eleutherococcus senticosus
	24	Dayflower	Dayflower
	25	Cassia occidentalis	Cassia occidentalis
	26	Pine needles	Pine needles
	27	Aloe arborescens	Aloe arborescens
	28	Mallotus bark	Mallotus bark
	29	Lycium fruit	Lycium fruit
	30	Sasa veitchii	Sasa veitchii
	31	Dandelion	Dandelion
	32	Leaves of nandina	Leaves of nandina
	33	Quercus serrata	Quercus serrata
	34	Galeola septentrionalis	Galeola septentrionalis
Vegetables	1	Cabbage	Cabbage
	2	Bean sprouts	Bean sprouts
	3	Cucumber	Cucumber
	4	Onion	Onion
	5	Japanese radish	Japanese radish
	6	Carrot	Carrot
	7	Burdock	Burdock
	8	Lotus root	Lotus root
	9	Potato	Potato
	10	Yam	Yam
	11	Spinach	Spinach
	12	Broccoli	Broccoli
	13	Parsley	Parsley
	14	Tomato	Tomato
	15	Shiitake mushroom	Shiitake mushroom
	16	Grifola frondosa	Grifola frondosa
	17	Brassica campestris var. perviridis	Brassica campestris var. perviridis
	18	Sword bean	Sword bean
	19	Turnip	Turnip
	20	Allium tuberosum	Allium tuberosum

	21	Garlic	Garlic	
Fruits	1	Papaya	Papaya	
	2	Pineapple	Pineapple	
	3	Apple	Apple	
	4	Lemon	Lemon	
	5	Orange	Orange	
	6	Melon	Melon	
	7	Avocado	Avocado	
	8	Mango	Mango	
	9	Kiwi	Kiwi fruit	←Kiwi fruit
	10	Banana	Banana	
	11	Raspberry	Raspberry	
	12	Mandarin orange	Mandarin orange	
	13	Sweet summer orange	Sweet summer orange	
	14	Blueberry	Blueberry	
	15	Strawberry	Strawberry	←Strawberry
Others		Sea tangle	Sea tangle extract	←Sea tangle extract