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Raw Materials/Products Standards

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<http://www.wadaman-s.com/English/indexE.html>

- Product Name:** Lignan-Rich Black Sesame Oil
Feature: Sesame oil compressed from "Lignan Black Sesame Seed" which contains more than 2 times of "Sesamine" compared with ordinary sesame seeds. This seed is one of the highest quality among all sesame seeds, and it has special fragrance and taste.
Usage: Though it is suited to cook like frying, mixing, salad dressing etc, you can also use it for the dilution oil of the soft capsules.
Raw Material: Lignan Black Sesame 100% (Myanmar)
Package: 16.5kg can
Keeping Condition: Please keep away from direct sunlight, heat and humidity. Please keep it in a cool dark place. (Less than 25°C)
Best Consume : 2 years from the date of manufacture (for 30days after opening)

The result of analysis (100g) :

	Sesamine	Sesamoline	Sesamol	Linoleic acid	Alpha-Linolenic Acid
Lignan-Rich Oil	1.63g	0.536g	0.005g	48.7g	0.6g
Gold Sesame Oil	0.523g	0.124g	0.004g	39.1g	0.3g
White Sesame Oil	0.605g	0.218g	0.008g	39.6g	0.3g
Black Sesame Oil	0.590g	0.306g	0.002g	42.0g	0.3g

Analysis Organization: Japan Food Research Laboratories

- * Lignan values of Lignan-Rich Oil in the list above are used the real values of Lot No. HK190830
- * The values of Linoleic acid and alpha-Linolenic acid of Lignan-Rich Oil are used the real values on 20th of September in 2007.
- * The values of Gold sesame, white sesame and black sesame are used the real values on 20th of September in 2007.

Nutrition Label (100g):

Energy 900kcal Protein 0g Lipid 100g
 Carbohydrates 0g Sodium 0mg

■*We guarantee that Lignan Value (Sesamine + Sesamoline + Sesamol) is more than 1.5%.

[Colorimetric method]or [HPLC method]

※Sesamine contents is more than 1.2% (HPLC method)

Additives: None

Allergens: Sesame is be capable of producing allergy In Japa n
 Please write the 'SESAME' as Low material name in your package.
 ※Display example as 「Black Sesame Oil」 or 「Sesame Oil」

Bacterial standards:

Sesame oil is out of analysis. (Sesame oil contents low moisture and no bacteria increasing)

Moisture: Less than 0.25%(JAS standards)

Property: Having sesame's proper smell, mostly clear-transparent.

Pb: Less than 20ppm

As₂O₃: Less than 2ppm

Acid value Less than 4(JAS standards)

n-hexane None

Analysis Organization: Japan Food Research Laboratories

No. 207062395-001~003



■Label:

Name: Sesame Cooking Oil

*Sesame Oil is decided how to show on the label by Food Sanitation Law in Japan.

So it is impossible to express like “Sesamine Oil”, “Lignan Oil” etc.

Raw materials: Sesame Cooking Oil

Contain: 16.5kg per 1 can

Best Consume: 2 years before opening / Use it as quick as possible after opening

Preservation Method: Preserve it in dark place at a fixed temperature

Manufacturer: Horiuchi Seiyu Co., Ltd.

94 Yoshimoto, Hikawa-cho, Yashiro-gun, Kumamoto, Japan

Warning: Sometimes it becomes muddy or makes a precipitate, but this is the nature of sesame oil.

Please don't worrie about it.

When oil is heated too much, it will smoke or catch fire, and oil splashes when water enters. If leave the place in case of cooking deep-fried food, please put out fire by all means.

Others: Organic Farming Label exist ~~not exist~~

GMO Label exist not exist (Sesame ~~is out of~~ GMO)

Manufacturing Process

PROCESS	CONTENTS	ITEMS	STANDARDS	METHODS	RECORDS
Raw Materials (Lignan Black Sesame)					
Selection	Magnet, Visual Inspection	Check of adhesion things on magnet		Each Change	YES
Roast	Roasting Machine	Temperature/time		Each Patch	YES
Compression	Compressor	Pressure/time		Each Patch	YES
Leaving	Tank	Density/Temperature/Time		Each Change	YES
Washing with hot water	Tank	Temperature/Time/Water Volume		Each Change	YES
Dehydration	Tank	Temperature/Time		Each Change	YES
Filtering	Filtering Machine	Density		Each Change	YES
Final Filtering	Filtering Machine	Density		Each Change	YES
Products Tank	Tank	Measuring of Acid value	Acid Value less than 4 (JAS Standards)	Neutralization titration, Each Change	YES
Filling	Filling Machine	Weight		platform scale, Visual Inspection	YES
Stopper	Stoppering Machine	Check of air tightness	16.5kg + extra 50g	Visual Inspection	NO
Products					

*Please acknowledge that we are not able to assume the responsibility of the expression such as the commodity packages at all beforehand.

*We have Lignan & Sesamin Value check test on each Lot.