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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

(Manufacturer:OTA OIL CO. LTD.)

Sesame oil compressed from "Lignan Black Sesame Seed" which contains more than Feature:

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 The result of analysis (100g) years from the date of manufacture (for 30days after opening)

	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):

900kcal Protein 0gLipid 100g Energy

Carbohydrates Sodium 0mg

■ *We guarantee that Lignan Value (Sesamine + Sesamoline) 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) are: Less than 0.25%(JAS standards)

Moisture:

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

Pb: Less than 20ppm As₂O₃: Less than 2ppm

Less than 4(JAS standards) Acid value

n-hexane None

Analysis Organization: Japan Food Research Laboratories No. 207062395-001 $\sim\!003$

■ 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: OTA OIL CO. LTD.

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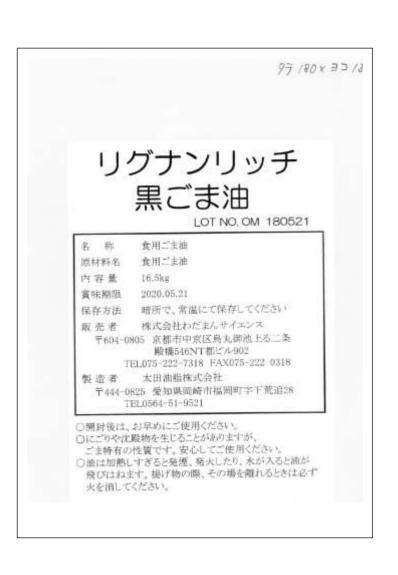
Warning: Sometimes it becomes muddy or makes a precipitate, but this is the nature of sesame oil. Please don't worrie about it.

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.

- There is sedimentation of a white turbid substance in the sample. However, it is obvious that the substance is sedimentation of higher-fatty-acid ester and sesamin. Therefore, heat the whole can in hot water of 50 to 60°C to melt the substance before use.
- The same as the above white turbid substance, the dispersed components that originated in the sesame may condense and generate a brownish haze due to the passage of time. However, this is not a concern, as it is also confirmed that the component originated in the sesame.

Others: Organic Farming Label exist not exist (Sesame is out of GMO)





Manufacturing Process

Manufacturing P		I was a	I		T
PROCESS	CONTENTS	ITEMS	STANDARDS	METHODS	RECORDS
Raw Materials					
(Lignan Black					
Sesame)					
	Visual			Each Change	YES
	Inspection				
					
	Roasting	Temperature/time		E 1 D . 1	MEG
Roast	Machine	_		Each Patch	YES
.					
Compression	Compressor	Pressure/time		E1- D-4-1-	VEC
Leaving	Tank			Each Patch	YES
	Tank	Density/Temperature/Time		EachChange	YES
Washing with	Tank			EachChange	1123
hot water	Tank	Temperature/Time/Water		Each Change	YES
not water		Volume		Each Change	1 L3
Dehydration	Tank				
Denyaration		Temperature/Time		Each Change	YES
Filtering	Filtering	5			
1 111011119	Machine	Density		Each Change	YES
Final Filtering	Filtering	Danaita		Each Change	YES
C	Machine	Density			
					YES
Products Tank	Tank	Management of Apid value	Acid Value	Neutralizatio	
		Measuring of Acid value	less than 4	n titration,	
			(JAS	Each Change	
Filling	Filling	Weight	Standards)		
	Machine	Weight	,		YES
Stopper	Stoppering	Check of air tightness	16.5kg + extra 165g	platform	
				scale, Visual	
	Machine			Inspection	
					NO
Products				Visual	
				Inspection	

^{*}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.

^{*}Up date 2019. 10. 28 It has been deleted the Process of washing & checking with magnet