

# Product - Specification

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Reg-No.: Sp222030c

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Product / Trading-Name: **Rice bran oil refined**

**Description:** Rice Bran Oil is obtained from the bran of the grains of rice (*Oryza sativa*) by solvent extraction followed by refining and deodorization.

**Product No.:** 222030

**CAS No.:** 68553-81-1

**EINECS No.:** 271-397-8

**INCI Name:** Oryza Sativa Bran Oil

**Properties:** A yellowish brown oil. It has a slight and characteristic odour and a neutral taste. It is insoluble in water and soluble in lipophilic solvents.

Parameter	Method	Unit	Value
<b>Physical and Chemical Characteristics</b>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 1,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		1,470 - 1,475
relative density (20 °C)	Ph. Eur. [2.2.5]		0,914 - 0,922
colour (Lovibond 5 1/4") red	EN 1557		max. 4,0
iodine value	Ph. Eur. [2.5.4]	g I2/100g	90,0 - 117,0
saponification value	Ph. Eur. [2.5.6]	mg KOH/g	180,0 - 199,0

## **Fatty Acid Composition (GC of FAMES)**

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	14,0 - 23,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	0,9 - 4,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	38,0 - 48,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	21,0 - 42,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 3,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 1,0

## **Storage:**

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

## **Residual Solvents:**

It complies with the guideline CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

<b>Created:</b>	AS	<b>Checked:</b>	BZ	<b>Released:</b>	Schw
<b>Date:</b>	27.03.17	<b>Date:</b>	27.03.17	<b>Date:</b>	27.03.17

