

# Product - Specification

**gustavheess**  
group of companies since 1897

Reg-No.: Sp205030a

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Product / Trading-Name: **Marula oil refined**

**Description:** Marula oil is produced from the seeds of the Marula tree *Sclerocarya birrea* (Anarcadiaceae) by expression und subsequent refining.

The oil has no approval as Novel Food according to Reg. (EG) 258/97 in the EU.

**Product No.:** 205030

**INCI Name:** Sclerocarya Birrea Seed Oil

**Properties:** Lightly coloured oil with a mild smell, slightly turbid at room temperature.

Parameter	Method	Unit	Value
<b><u>Physical and Chemical Characteristics</u></b>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,5
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,468
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,913

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

< C 16	Ph. Eur. [2.4.22]	%	max. 0,2
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	9,0 - 13,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 0,2
18:0 stearic acid	Ph. Eur. [2.4.22]	%	4,0 - 9,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	70,0 - 80,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	4,0 - 9,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,7
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,5

### **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>	JF	<b>Released:</b>	Schw
<b>Date:</b>	29.05.18	<b>Date:</b>	29.05.18	<b>Date:</b>	29.05.18

