

**Product Specification**
**HF 10021**
**v**
**Jojoba oil native**

organic according to the Council Regulation (EEC) No. 2092/91

name of product	<b>organic jojoba oil native</b>		
generated by	<b>CK</b>	generated on	<b>09.04.2003</b>
		latest modification	<b>01.12.2004</b>

**Product details**

origin	Argentina or Israel
customs tariff number	1515 60 10
ingredients	100 % jojoba nut
additives	none
raw material	Simmondsia chinensis

**Organoleptic Parameters**

appearance	golden yellow
odour	product typical, neutral
flavour	product typical, not bitter, not raspy
consistency	clear liquid

**Production details**

manufacturing process	sparing mechanical cold pressing of jojoba nuts, followed by filtration
-----------------------	---

**Chemical & Physical Parameters**

	Unit		Method
density		[nD 20°C] 0,863 - 0,873	
refraction index		[20°C] 1,465 - 1,467	
colour		8 - 10 (Gardner)	
acid rate	[mg/KOH/g]	max. 1,0	DFG
peroxide rate	[meq O2/kg]	max. 5,0	\$35 LMGB L 13.00 -5 + -6 after fat extraction
saponification rate	[mg/KOH/g]	90 - 98	DGF
iodine rate	[g I2/100 g]	80 - 90	DGF
unsaponifiable	[%]	45 - 55	
water	[%]	max. 0,8	Karl-Fischer-Titration
polymeric triglycerides	[%]	max. 0,05	DFG C-III 3 by cold fat extraction
<b>fatty acid analysis</b>			
C 16:0 palmitic	[%]	max. 3	GC-FID, methylester
C 16:1 Palmitoleic	[%]	max. 1	GC-FID, methylester
C 18:1 (cis 9) oleic	[%]	5 - 15	GC-FID, methylester
C 20:1 eicosenic	[%]	65 - 80	GC-FID, methylester
C 22:0 behenic	[%]	max. 1	GC-FID, methylester
C 22:1 erucic	[%]	10 - 20	GC-FID, methylester
C 24:0 lignoceric	[%]		GC-FID, methylester
C 24:1 nervonic	[%]	max. 3	GC-FID, methylester
others	[%]	max. 3	GC-FID, methylester
radioactivity	[Bq/kg]	max. 400	Reinstgerman.-gamma ray spectrum
residues & heavy metals	in accordance with the effective regulation for maximum residues value		

**Storage & Durability**

storage	<10°C, dry, protected from light
durability	12 months after pressing in original packaging

name of product	<b>organic jojoba oil native</b>		
generated by	<b>CK</b>	generated on	<b>09.04.2003</b>
		latest modification	<b>01.12.2004</b>

---



---

### Miscellaneous

special note	the specified jojoba oil fulfills the requirements of DAC
--------------	---

GMO	<p>according to the EU regulations:  Regulation (EC) No. 1829/2003 on genetically modified food and feed  Regulation (EC) No. 1830/2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products from genetically modified organisms</p> <ul style="list-style-type: none"> <li>- The raw materials are not produced from genetically modified organisms (GMO) (including all auxiliary substances or other ingredients)</li> <li>- For the production of these raw materials genetic engineering is not applied</li> <li>- The raw materials do not contain genetically modified material</li> <li>- A labelling according to the EU regulations is not necessary</li> </ul>
-----	---