

**Product Specification**
**HF 10058**
**v**
**Pumkin seed oil native**

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

name of product	<b>organic pumpkin seed oil native</b>		
generated by	<b>MS</b>	generated on	<b>14.07.2004</b>
		latest modification	<b>07.08.2004</b>

**Product details**

origin	Austria
origin raw material	Austria
ingredients	100 % pumpkin seed
additives	none
raw material	Cucurbita pepo

**Organoleptic Parameters**

appearance	dark red-green
odour	product typical, nuttly
flavour	product typical, pleasant, nuttly
consistency	viscous liquid

**Production details**

manufacturing process	sparing mechanical cold pressing of pumpkin seeds, followed by filtration
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**Chemical & Physical Parameters**

	Unit		Method
density		[nD 20°C] 0,912 - 0,927	
refraction index		[20°C] 1,4714 - 1,4740	
coagulation point	[°C]	approx. -15	
acid rate	[mg/KOH/g]	max. 4,0	DFG
free fatty acids	[%]	max. 2,0	
peroxide rate	[meq O2/kg]	max. 10,0	§35 LMGB L 13.00 -5 + -6 after fat extraction
saponification rate	[mg/KOH/g]	185 - 197	DGF
iodine rate	[g I2/100 g]	113 - 134	DGF
unsaponifiable	[%]	1 - 1,5	
water	[%]	max. 0,8	Karl-Fischer-Titration
total Tocopherol	[mg/100 g]	min. 50,0	
polymeric triglycerides	[%]	max. 0,05	DFG C-III 3 by cold fat extraction
<b>fatty acid analysis</b>			
C 16:0 palmitic	[%]	11 - 15	GC-FID, methylester
C 16:1 Palmitoleic	[%]	approx. 0,5	GC-FID, methylester
C 18:0 stearic	[%]	4,8 - 5,5	GC-FID, methylester
C 18:1 (cis 9) oleic	[%]	23 - 28	GC-FID, methylester
C 18:2 linoleic	[%]	49 - 51	GC-FID, methylester
C 18:3 linolenic	[%]	approx. 0,5	GC-FID, methylester
<b>radioactivity</b>	[Bq/kg]	max. 400	Reinstgerman.-gamma ray spectrum
<b>residues &amp; heavy metals</b>	in accordance with the effective regulation for maximum residues value		
sum of all mycotoxines	[µg/kg]	max. 4,0	

**Storage & Durability**

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

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## Miscellaneous

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>
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