



Specification

Concerning Product:	
Article number	84012215PLK
Trade name / designation / denomination	Haselnussöl, nativ
CAS number	84012-21-5
Other names / synonyms	*Hazel, Corylus avellana, ext.;
EC number	281-667-7

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance		Fluid, clear, bright	
Colour		Amber yellow	
Flavor and taste		Intense roasted hazelnut flavor	
Physical parameter			
Acidity/Alkalinity	NF EN ISO 660	≤ 2	mgKOH/g
Loss on drying	NF EN ISO 8534 (Karl Fisher)	≤ 0,05	%
Loss on drying	NF EN ISO 662	Water content and volatils ≤ 0,4	%
Saponification value	NF EN ISO 12966 & NF EN ISO 5508	190 – 195	mg KOH/g
Impurities			
Aflatoxins	HPLC Internal method	≤ 5	µg/Kg
Dioxins	HPLC Internal method	≤ 0,75	pg /g
Hazardous air pollutants (HAP)	HPLC Internal method	≤ 10	µg/Kg
Heavy Metals (as Pb)	Atomic absorption internal method	≤ 0,1	ppm
Insoluble impurities	NF EN ISO 663	≤ 0,05	%
Ölsäure Verunreinigung	NF EN ISO 660	≤ 1	%
Oleic Acidity (Impurity)	NF EN ISO 660	≤ 1	%
Pesticides	CPG Internal method	< MRLs	ppb
Elemental Impurities			
Iodine (I ₂)	NF EN ISO 12966 & NF EN ISO 5508	70 – 95	g I ₂
Fatty Acid composition			
Linoleic Acid content		C 18: 2 n-6 10 – 20	%
Mono-unsaturated fatty acids		70 – 85	%
Oleic Acid content		C 18: 1 n-9 70 – 85	%
Ölsäuregehalt		C 18: 1 n-9 70 – 85	%
Poly-unsaturated fatty acids		10 – 20	%
Saturated fatty acids		5 – 15	%
Nutritional data			
Vitamin E		* 40 – 55	mg/100g
Tocopherols composition			
α-tocopherol		240 – 540	mg/kg
Acétate α-tocopherol		≤ 5	mg/kg
β-Tocopherol		6 – 22	mg/kg
γ-Tocopherol		6 – 104	mg/kg
δ-Tocopherol		3 – 33	mg/kg
Tocopherols total		300 – 550	mg/kg
Microbiological data			
Coliform bacteria	NF V 08-050 (1999)	@ 30°C ≤ 1	Unit/g
Coliform bacteria	NF V 08-060 (1996)	@ 44°C (heat tolerant) ≤ 1	Unit/g
Escherichia Coli.	V 08-053 (2002)	≤ 1	Unit/g
Salmonella	AFNOR TEC-24/2-04/03	≤ 0	Unit/25g
Yeast and Mould	NF V 08-059 (2002)	≤ 1	Unit/g

Annotation:

*Vit E = (α + 0,67acétate + 0,50β + 0,10γ + 0,03δ)/10)

Supplemental information:

Shelf life: 2 years of best before date from date of production

Derivation: 100% virgin hazelnut oil (no additive)

Storage conditions: After opening: Keep the product in original packaging away from light, heat (T<20°C) and in a dry place inert with nitrogen (1 L of gas), close quickly after using (time opening<15mn).

Before opening: Keep away from light, heat (T<20°C) and in a dry place.

Manufacturing process: Mechanical extraction without any solvent

Packing: 1Kg, 5kg, 25kg, 200kg PEHD drums

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 15. Jun. 2018

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