



TDS Technical Data Sheet



PRODUCT NAME (UE)	HAIR COMPLEX NUTRA ORGANIC COSMETIC
PRODUCT NAME (ITA)	HAIR COMPLEX NUTRA BIOLOGICO COSMETICO
INCI NAME (UE)	LINUM USITATISSIMUM SEED OIL - CYPERUS ESCULENTUS ROOT OIL - ARGANIA SPINOSA KERNEL OIL
INCI NAME (US)	LINUM USITATISSIMUM - CYPERUS ESCULENTUS ROOT OIL - ARGANIA SPINOSA (Argan) KERNEL OIL
CAS NUMBER	8001-26-1 - 223748-92-3 - 223747-87-3
EINECS NUMBER	232-278-6 – Unknown - Unknown

DESCRIPTION: HAIR COMPLEX NUTRA is a mix oils (LINUM USITATISSIMUM SEED OIL - CYPERUS ESCULENTUS ROOT OIL - ARGANIA SPINOSA KERNEL OIL) All the oils are obtained by cold pressing organic kernels. 100% of the ingredients are organic, no additives or other ingredients are added into the oils. The production of each oils is made by mechanical press without solvent, product is crude unrefined and filtered before drumming.

	U.M.	TEST METHODS	RANGE
Physical status at 25 °C	/	Visual	Liquid
Acid value	mg KOH/g	AOCS Cd3d-63	≤ 8
Iodine value	gI ₂ /100	AOCS Tg2a-64	≤ 15
Saponification value	mg KOH/g	AOCS Cd3-25	170 – 200
Peroxide value	meq O ₂ /Kg	AOCS Cd8-53	185 – 195
Unsaponifiable matter	%	AOCS Ca6b-53	≤ 15
Density at 20 °C	g/cc	ASTM D1298-85	≤ 1.5
Colour	Gardner	AOCS Td1a-64	0.924 – 0.937
Refractive index	/	AOCS Tp1a-64	1.470 – 1.485

Fatty acids composition % (GLC):

Palmitic acid	C16:0	4 – 11
Palmitoleic acid	C16:1	≤ 0.3
Oleic acid	C18:1	18 - 40
Linoleic acid	C18:2	12 – 25
Alpha-Linolenic acid	C18:3	19 - 38
Arachidic acid	C20:0	≤ 0.5
Eicosenoic acid	C20:1	≤ 0.5
Others		

Special advise for storage conditions: The product must kept into the original packages, protected from moisture, properly closed under cover. Storage temperature between 10 to max 22°C. The min shelf life is 12 month and the max shelf life is 24 month Effect of temperature <10°C partially solidification of the saturated fatty acids and of the natural fraction that are added into the product. Effect of temperature >40°C possible autoxidation and peroxide value increases.

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