



## **NATURA-TEC ABYSSINIAN OIL - REFINED**

### **PROPERTIES**

**NATURA-TEC ABYSSINIAN OIL - REFINED**, 100% natural, is produced by mechanical pressing of the Crambe seeds. The oil obtained is then filtered and refined.

In skincare application, **NATURA-TEC ABYSSINIAN OIL – REFINED** is appreciated for its sensorial properties : rapid absorption, light feel, non greasy after feel. It generates a protective veil that immediately soothes the skin with a lasting effect.

In haircare applications, it provides natural luster, lubricity and an emollient feeling to the hair.

**NATURA-TEC ABYSSINIAN OIL - REFINED** presents a unique molecular structure. It contains long chains fatty acids and is concentrated in unsaturated C22 fatty acids, making it highly resistant to oxidation. Due to its high molecular weight, it is more stable against heat breakdown.

In color cosmetics, **NATURA-TEC ABYSSINIAN OIL - REFINED** has the ability to wet pigments and help in their dispersion. It then improves the color intensity and the lasting effect of the product.

### **COSMETIC APPLICATIONS**

Skin Care  
Hair Care  
Decorative Cosmetics

**NATURA-TEC ABYSSINIAN OIL – REFINED** creates a delicate film on the surface of the skin with a velvety finish.

### **TECHNICAL DATA**

Appearance: Pale yellow liquid

INCI : Crambe Abyssinica Seed Oil

Typical fatty acid composition	%
C16:0 (palmitic)	1.0 – 5.0
C18:1 (oleic)	8,0 – 28,0
C18:2 (linoleic)	3,0 – 15,0
C18:3 (linolenic)	2.0 – 10.0
C20:0 (Eicosanoic)	8.0 max.
C20:1 (Eicosenoic)	2 – 8
C22:0 (Docosanoic)	1.0 – 6.0
C22:1 (Docosenoic)	40,0 – 60,0
C24:0 (Tetracosanoic)	2.5 max.
C24:1 (Tetracosenoic)	3,0 max.

SPECIFICATION SHEET

**NATURA-TEC ABYSSINIAN OIL**

INCI : Crambe Abyssinica Seed Oil  
 CAS 68956-68-3  
 EINECS 273-313-5

	Specification	Method
Appearance, 25°C	Clear Oil	Visual
Color, Red/yellow	≤ 2,5 R/25Y	Lovibond 5"1/4
Odor	Faint, characteristic	Olfactory
Specific gravity, 25°C	0,905 – 0,925	ASTM D1298-85
Refractive index, 20°C	1,466 -1,472	AOCS Tp1a-64
Acid value, mgKOH/g	1,0 max.	AOCS Cd3-63
Iodine value, gI2/100g	80 – 100	AOCS Tg2a-64
Saponification value, mgKOH/g	155 - 175	AOCS Cd3-25
Peroxide value, meqO2/kg	5,0 max.	AOCS Cd8-53

Packaging Drums 190 kg net, drums 25 kg net

Storage Store in original unopened containers in a cool dry place

Shelf life 18 months in original unopened containers

Safety Refer to SDS. Not considered hazardous

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