

Natunola[®] Canola Oil



The current trend in essential fatty acids (EFAs) has resulted in a rapid increase in products with “Omega-3 and Omega-6” labels entering the market place. This trend is here to stay as scientific research continues to document more and more health benefits associated with EFAs. For instance, deficiencies in EFAs are reported to result in changes in skin and hair natural barrier functions, loss of skin elasticity, increased dehydration, loss of hair shine and luster.

Natunola[®] Canola Oil offers cosmetic and hair care formulators the opportunity to tap into a trendy market using innovative ingredients with EFAs. **Natunola[®] Canola Oil** is an all natural botanical oil processed from GMO-free Canola seed that is high in Omega-3 and Omega-6. The characteristic moisturizing effects of Canola oil coupled with EFAs results in minimized water loss, improved barrier function that results in overall improvement of skin and hair. Use **Natunola[®] Canola Oil** as a natural ingredient in formulations for the ultimate benefits of healthy skin and hair.

Description:

Natunola[®] Canola Oil, extracted from non-transgenetically modified all natural Canola seed, is an excellent source of essential fatty acids (Omega-3 and Omega-6). Since research continues to report the benefits of EFAs for healthy skin and hair, **Natunola[®] Canola Oil** has become the ultimate source. Derived from pure botanical sources **Natunola[®] Canola Oil** delivers the benefits of Omega-3/Omega-6 naturally to skin and hair care formulations.

Functionality:

Natunola[®] Canola Oil is an ideal ingredient in cosmetic formulations as it can be used as a skin conditioner, emollient, film former, viscosity controlling agent and a viscosity building agent for anhydrous systems.

Applications:

Natunola[®] Canola Oil can be used in a wide array of applications such as, lip balm, lipstick, lip gloss, pomades, bath gel, anhydrous liquid sunscreen gel, body and hand cream/lotion, moisturizing creams, conditioners and suntan products.

INCI Name: Canola Oil

Specifications:

Appearance:	Clear, pale yellow oil																																	
Odour:	Very light to no fragrance																																	
Bacteriological Data:	Total bacteria count (aerobic): <100 cfu/g (At the time of packaging)																																	
Typical Fatty Acid Composition:	<table border="1"><thead><tr><th>Fatty Acid</th><th>Common Name</th><th>(%)</th></tr></thead><tbody><tr><td>C16</td><td>Palmitic</td><td>3.6</td></tr><tr><td>C18</td><td>Stearic</td><td>2.1</td></tr><tr><td>C18:1</td><td>Oleic</td><td>72.6</td></tr><tr><td>C18:2</td><td>Linoleic (<i>Omega-6</i>)</td><td>13.9</td></tr><tr><td>C18:3</td><td>Linolenic (<i>Omega-3</i>)</td><td>3.0</td></tr><tr><td>C20</td><td>Arachidic</td><td>0.7</td></tr><tr><td>C20:1</td><td>Eicosenoic</td><td>1.4</td></tr><tr><td>C22</td><td>Behenic</td><td>0.3</td></tr><tr><td>C22:1</td><td>Enicic</td><td>0.2</td></tr><tr><td>C24</td><td>Tetracosanoic</td><td>0.2</td></tr></tbody></table>	Fatty Acid	Common Name	(%)	C16	Palmitic	3.6	C18	Stearic	2.1	C18:1	Oleic	72.6	C18:2	Linoleic (<i>Omega-6</i>)	13.9	C18:3	Linolenic (<i>Omega-3</i>)	3.0	C20	Arachidic	0.7	C20:1	Eicosenoic	1.4	C22	Behenic	0.3	C22:1	Enicic	0.2	C24	Tetracosanoic	0.2
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Stability:	Stable at room temperature. Store in original container under 20°C																																	
Recommended Usage Level:	Skin care creams and lotions: 1% to 25%(wt/wt) Others: 1% to 99%																																	
Formulating pH:	The recommended pH range is 3 to 8.																																	
Formulating Temperature:	The recommended working temperature range is 25°C to 80°C .																																	

Specifications are based on information available at the time of printing. This information is provided in good faith and is subject to the following conditions: 1. Natunola makes no warranty of any kind concerning any product, formulation or procedure or other matter contained in the information including, without limitation, any warranty that the sale or use of any product, formulation or procedure will not infringe any patent or other third party right; 2. The user of the information will not provide it to third parties and will indemnify and hold Natunola harmless from any liability arising out of the recipient's use of the information. (March, 2010)



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