Natural Plant Products, Inc.

DAIKON RADISH OIL
INCI NAME (PCPC): Raphanus Sativus (Radish) Seed Oil
INCI NAME (EU): Raphanus Sativus Seed Oil
CAS NUMBERS: 68956-68-3, 84988-87-4
EINECS NUMBERS: 284-877-7, 273-313-5

Product Data Sheet

Daikon Radish Oil

Daikon

Description

Oregon farms have long supplied Asian countries with radish seeds for sprouts and vegetable production. Natural Plant Products has captured the expertise of its Oregon farmers to deliver this new and exceptional product. Daikon Radish Oil is a natural emollient derived from the seeds of *Raphanus sativus*. Its fatty acid composition distinguishes it from other natural oils currently used in the cosmetics and personal care industries. The result of this unique chemistry is a delicate, non-oily feel on the skin. An extraordinarily light color and absence of odor make the oil suitable for a variety of applications.

Typical Properties

Appearance:	Clear
Color: :	Very light golden
Odor:	None
Refractive Index, 40° C:	1.4655
OSI, hours @ 110° C:	8
Peroxide Value:	0.0 meq/kg (at time of packaging)

Storage Conditions

Sealed containers should be stored at a temperature of 10°–25° C (50°– 77° F). Containers can be resealed and stored in the same temperature range for up to six months. If opened material will be stored for greater than 6 months, use of nitrogen is encouraged.

Expiration Date

Natural Plant Products will guarantee the quality of finished product for 18 months from the date of manufacture if the seal is unbroken and the material has been stored in accordance with recommendations.

Purity Guarantee

Daikon Radish Oil is derived from non-GMO plants. No animal by-products are used in the manufacturing process.

This data is presented in good faith and is based on information believed to be reliable, which is offered solely for evaluation, investigation, and verification of the numerous factors that may affect results. Natural Plant Products, Inc. produces and sells Daikon Radish Oil with the understanding that purchasers will perform their own tests to determine the suitability of this product for their own particular use. Warranty as to accuracy or result is neither given nor implied. Natural Plant Products, Inc. assumes no liability or responsibility for any damage to person or property resulting from or incident to the use of this product. Statements concerning the use of Natural Plant Products' Daikon Radish Oil are not to be construed as recommendations, suggestions, or inducements to use it in the infringement of any patent or in violation of any applicable laws or regulations. No liability arising out of such a use is assumed.

The Original Producers of Meadowfoam Seed Oil™

Natural Plant Products inc.

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Specifications

Property	*Tolerance*	*Typical Value*	*Method*[1]
Appearance, 25° C	Clear	Clear	Visual
Odor	none	none	organoleptic
Free Fatty Acids, % as oleic	0.05 (max)	0.03	Ca 5a–40
Iodine Value	95-100	100	NPP QCP M-007a[2]
Saponification Value	171-181	176	Cd 3a–94
Color, Lovibond	10Y/1.0R (max)	5Y/0.5R	Cc 13b–45

[1] Refers to the Official Methods of the American Oil Chemists' Society unless otherwise noted

[2] NPP Quality Control Procedure "Iodine Value, Calculated from FAD"

Effective date: 1 July 2011

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