



## PRODUCT SPECIFICATION

<b>Product Name</b>	Golden, raw jojoba oil
<b>Product Code Number</b>	001
<b>Composition</b>	100% golden, raw jojoba oil
<b>INCI Name</b>	Simmondsia Chinensis Seed Oil
<b>CAS No.</b>	61789-91-1

### Description

100% raw, golden jojoba oil obtained from seeds of the desert shrub, jojoba, *Simmondsia Chinensis*, *Buxaceae*. For use in cosmetics and personal care products.

### SPECIFICATIONS

<b>Parameter</b>	<b>Range</b>	<b>Method</b>
Physical Appearance (20°C)	Clear yellow liquid	
Colour	9 max	Gardner
Odour	Characteristic	
Refractive index (20°C)	1.450 - 1.486	Ph.Eur.2.2.6
Specific Gravity (20°C)	0.831 - 0.873	Ph.Eur.2.2.5
<b>Chemical</b>		
Iodine Value	75 - 95	Ph. Eur. 2.5.4
Saponification Value	85 - 98	Ph. Eur. 2.5.6
Unsaponifiable matter	45 - 55 %	Ph. Eur. 2.5.7
Moisture	<0.1 %	Ph. Eur. 2.2.32
Acid value	<2.0 mg KOH/g	Ph. Eur. 2.5.1
Peroxide value	<10.0 meq O2/kg	Ph. Eur. 2.5.5
<b>Fatty acid composition</b>		
C16:0 Palmitic	0 – 3 %	
C16:1 Palmitoleic	<1 %	
C18:1 Oleic	<15 %	
C20:1 Gadoleic	65 – 80 %	
C22:0 Behenic	<1	
C22:1 Erucic	<22 %	
C24:1 Nervonic	<3.5 %	
<b>Wax esters composition</b>		
C36	<3 %	
C38	<10 %	
C40	25 – 40 %	
C42	42 – 58 %	
C44	<15 %	
C46	<3 %	



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### Contaminants

Benzo(a)pyrene	2.0 µg/kg	HPLC
Dioxins (WHO-PCDD/F-TEQ)	0.75 ng/kg fat	GC- HRMS
PCB's no's 28 52 101 138 153 180	1.0 µg/kg	GC-ECD
Pesticides	MRL µg/kg	GC-ECD

### Heavy Metals

Arsenic	<0.1ppm
Cadmium	<0.1ppm
Lead	<0.1ppm
Mercury	<0.01ppm

### Microbiology

Total plate count	<100 Cfu/g
Aerobic plate count	<100 Cfu/g
Yeast/ mould plate count	<100 Cfu/g

### Packaging

Sealed 25L HDPE containers; blanketed with inert (nitrogen) atmosphere.

### Storage

Store unopened in original containers in a cool, dry environment. Store partially used containers with a fully nitrogen flushed headspace.

### Shelf life

18 months in original unopened packaging.

### Allergens (Conform Annex IIIa DIR EC 2003/89 and subsequent amendments)

	Yes/No
Celery	No
Cereals containing gluten	No
Crustaceans	No
Eggs	No
Fish	No
Lupine	No
Milk (including lactose)	No
Molluscs	No
Mustard	No
Nuts	No
Peanuts	No
Sesame seeds	No
Soybeans	No
Sulphur dioxide and sulphites	No

Version:	B
Date Issued:	02 March 2017

This product contains no ingredients derived from animal tissue, it is therefore free from Bovine Spongiform Encephalopathy (BSE) and other transmissible spongiform encephalopathies. It is not derived from Genetically Modified Organisms and has undergone no animal testing.



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Page 3 of 3

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The specification is offered in good faith, and is given to the best of our knowledge at the date of issue. No warranties or guarantees are offered or implied. Users should conduct their own tests to determine the suitability of the products for their own specific purposes.