



JOJOBA OIL GOLDEN GRADE

PRODUCT DATA SHEET



The **JOJOBA** plant is original of the Sonoran Desert. From its bean, a golden, odourless, non-allergic liquid wax is produced that is known as **JOJOBA OIL**.

The structure of **JOJOBA OIL** is very similar in composition to the human natural skin oils, it is an excellent moisturizer and is ideal for all skin types without promoting acne or any other skin problems.

JOJOBA OIL GOLDEN GRADE helps to heal irritated skin conditions such as psoriasis or any form of dermatitis and helps control acne and oily scalps.

JOJOBA OIL GOLDEN GRADE contains myristic acid which has anti-inflammatory actions. Since it is similar in composition to the skin's own oils, it is quickly absorbed and is excellent for dry and mature skins, as well as inflamed conditions. It also has antioxidant properties.

TECHNICAL DATA

Appearance:	Clear bright golden oily liquid
Acidity index:	≤ 1.0 mg KOH/g oil
Peroxide value:	≤ 5.0 meq O ₂ /Kg oil
Specific gravity (25°C):	0.863 - 0.873 g/cm ³
Extraction method:	Cold pressed

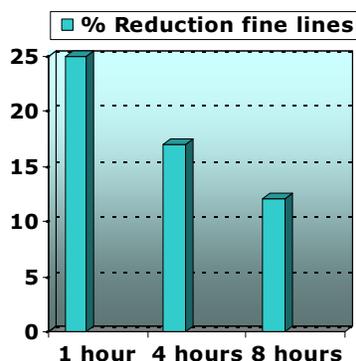
Since it is composed of wax esters, **JOJOBA OIL** is an extremely stable substance and does not easily deteriorate or become rancid. These wax esters are formed by long-chained monohydroxyl alcohols and fatty acids, which differ from fats in that the esters are long-chained fatty acids with glycerine.

JOJOBA OIL controls transpiration water loss (water and moisture loss through skin) and helps to control flaking and dryness of the skin, thereby also helping to fight wrinkles.

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In dermatological tests done by Christensen and Packman¹ using **JOJOBA OIL**, it was shown that jojoba oil increases the skin's suppleness by 45% and after 8 hours the effect was still present.

It was also found that **JOJOBA OIL** softens and smoothes the skin with fine line reduction (see graphic).



JOJOBA OIL also has great anti-bacterial properties. Professor Zille of Port Elizabeth University carried out studies on the anti-bacterial effects of **JOJOBA OIL**.

Tests at Michigan University showed that five of the most common skin bacteria plus certain skin fungi could not survive in **JOJOBA OIL**.

APPLICATION



JOJOBA OIL GOLDEN GRADE applies easily, offers deep penetration and significant moisture retention together with high nourishing properties. **JOJOBA OIL GOLDEN GRADE** restores dry, dehydrated, and mature skin. Since it has antioxidant properties, it can prevent other oils from going rancid.

JOJOBA OIL GOLDEN GRADE is suitable for all kinds of cosmetic products from rinse-off to leave-on. Its high content in unsaponifiables makes it an excellent component to soothe and restore elasticity to any dry skin area.

JOJOBA OIL GOLDEN GRADE may be applied directly as the skin and hair. It may also be easily incorporated as an active ingredient or an excellent carrier in skin and hair care products. The recommended dosage is between 3 to 10%.

JOJOBA OIL GOLDEN GRADE can also be used directly as massage oil and then acts as an emulsifier with the skin's natural sebum and gently unclogs the pores and lifts grime and imbedded impurities.

INCI Name: Simmondsia Chinensis (Jojoba) Seed Oil.

¹Christensen, M.S. and E.W. Packman, Skin Surface Softening Effects of Jojoba and Its Derivatives, Proceedings from the Seventh International Conference on Jojoba and Its Uses, American Oil Chemists' Society, Champaign, IL, 1988.

JOJOBA OIL GOLDEN GRADE**CODE** 008191 **SPECIFICATION** **Nº** 00819101

PARAMETERS	SPECIFICATIONS	EDITION - 25/07/05
Peroxide value	< 5 meq. O ₂ /Kg	
Acid value	< 1 mg KOH / gr oil	
Iodine value	78 - 90	
Saponification value	88 - 98	
Refractive index	1.465 - 1.467	
Specific Gravity (25°C)	0.863 - 0.873 g/cm ³	
FATTY ACID COMPOSITION (%)		
C18:1 Oleic	5 - 15 %	
C20:1 Gadoleic	65 - 80%	
C22:1 Erucic	10 - 20 %	
LEGHT OF C CHAIN COMPOSITION (%)		
C36	max. 2 %	
C38	max. 10 %	
C40	27 - 37 %	
C42	45 - 56 %	
C44	max. 13 %	
C46	max. 2 %	

PACKING

180 KG DRUMS

REMARKS

KEEP FULL AND WELL CLOSED IN A DRY PLACE AND AWAY FROM LIGHT