

ELKEM SILICONAS ESPAÑA, S.A.  
 CALLE VIC 3  
 08130 SANTA PERPETUA DE MOGODA  
 ESPAÑA

Site  
 ELKEM SILICONAS ESPAÑA  
 VIC, N°3 POLIGONO IND. "LA FLORIDA"  
 08130 SANTA PERPETUA DE MOGODA  
 ESPAÑA  
 +34 (93) 504 02 00

### Certificado de análisis

Fecha  
 05.09.2024  
 Posición de pedido/Fecha  
  
 Posición entrega/Fecha  
  
 Posición de orden/Fecha  
  
 Cliente  
  
 N° matrícula/N° precinto  
 /

Material: Nuestra/Su denominación  
 118846 MIRASIL STEARYL DM DR P 20KG /

El producto ha sido fabricado de acuerdo con sus exigencias.

Lote 222148B006 /manufacturing date 28.11.2022/Fecha de caducidad 27.11.2024

Característica	Unidad	Valor	Limite inferior	Limite superior
Aspecto	-	Conforme	-	-
<i>SH-1B</i>				
*** Descripción aspecto ***	-		-	-
<i>Method 0197 ASPECT36</i>				
<i>Sólido amarillo</i>				
Viscosidad a 40°C (2-50)	mPa.s	129	100	350
<i>SH-13</i>				
Extracto Seco (1g, 30min, 150°C)	%	99,9	99,0	100,0
<i>SH-3</i>				
*** PARÁMETROS ESTADÍSTICOS ***				
*** D4 < 0,1% ***	-			
*** D5 < 0,1% ***	-			
*** D6 < 0,1% ***	-			
*** Metales Pesados (Pb) <= 5 ppm ***	-			
*** Arsénico (As) <= 2 ppm ***	-			
*** Mercurio (Hg) <= 1 ppm ***	-			
*** Cadmio (Cd) <= 3 ppm ***	-			

batch released on :25.11.2022 ;  
 Ana PEREZ, Responsable calidad ; +34 935040214

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### Certificado de análisis

Fecha  
05.09.2024  
Posición de pedido/Fecha  
  
Posición entrega/Fecha  
  
Posición de orden/Fecha  
  
Cliente  
  
N° matrícula/N° precinto  
/

Material: Nuestra/Su denominación  
118846 MIRASIL STEARYL DM DR P 20KG /

El producto ha sido fabricado de acuerdo con sus exigencias.

Lote 222146B066 / manufacturing date 15.11.2022 / Fecha de caducidad 14.11.2024

Característica	Unidad	Valor	Limite inferior	Limite superior
Aspecto	-	Conforme	-	-
<i>SH-1B</i>				
*** Descripción aspecto ***	-		-	-
<i>Method 0197 ASPECT36</i>				
<i>Sólido amarillo</i>				
Viscosidad a 40°C (2-50)	mPa.s	116	100	350
<i>SH-13</i>				
Extracto Seco (1g, 30min, 150°C)	%	99,7	99,0	100,0
<i>SH-3</i>				
*** PARÁMETROS ESTADÍSTICOS ***	-			
*** D4 < 0,1% ***	-			
*** D5 < 0,1% ***	-			
*** D6 < 0,1% ***	-			
*** Metales Pesados (Pb) <= 5 ppm ***	-			
*** Arsénico (As) <= 2 ppm ***	-			
*** Mercurio (Hg) <= 1 ppm ***	-			
*** Cadmio (Cd) <= 3 ppm ***	-			

batch released on :24.11.2022 ;  
Ana PEREZ, Responsable calidad ; +34 935040214

# MIRASIL STEARYL DM

**Description** **MIRASIL STEARYL DM** is an alkyl-modified silicone wax which melts on contact with skin, rendering a smooth, silky, and moisturized feel. It has broad compatibility with cosmetic ingredients and can act as a compatibilizer when combining organic oils and silicones.

**INCI Name: Stearyl Dimethicone**

- Examples of applications**
- Skin care – moisturizers, anti-aging, and facial creams / lotions.
  - Sun protection creams.
  - Makeup - foundations, concealers, cream eyeshadows, lipsticks, and glosses.
  - Hair leave-on conditioning treatments and pomades.

- Key benefits**
- Smooth, silky, and moisturized feel.
  - Substantivity to skin.
  - Water resistance and repellency.
  - Good pigment dispersant.
  - Increased shine and payout in lipstick.

## Typical properties

<i>Properties</i>	<b>MIRASIL STEARYL DM</b>
Appearance	White to light yellow wax
Viscosity (40°C, mPa.s)	100 - 350
Non-volatile content (%)	> 99
Melting point (°C)	30 - 32
D4 content (%)	< 0.1
D5 content (%)	< 0.1
D6 content (%)	< 0.1

## Solubility of MIRASIL STEARYL DM with various cosmetic ingredients

TYPE OF MATERIAL	1:9*	5:5	9:1
<b>Water</b>	I	I	I
<b>HYDROCARBONS</b>			
<b>Isododecane</b>	S	S	S
<b>Hydrogenated Polyisobutene</b>	S	S	S
<b>Mineral Oil</b>	S	S	S
<b>ALCOHOLS &amp; GLYCOLS</b>			
<b>Ethanol</b>	I	I	I
<b>Glycerin</b>	I	I	I
<b>Dipropylene Glycol</b>	I	I	I

# MIRASIL STEARYL DM

Propylene Glycol	I	I	I
<b>FATTY ALCOHOLS</b>			
Octyldodecanol	S	S	S
Cetyl Alcohol	S	S	S
Stearyl Alcohol	S	S	S
<b>OILS</b>			
Cocos Nucifera (Coconut) Oil	S	S	S
Helianthus Annus (Sunflower) Seed Oil	S	S	S
Prunus Amygdalus Dulcis (Sweet Almond) Oil	S	S	S
Ricinus Communis (Castor) Seed Oil	I	I	I
Simmondsia Chinesis (Jojoba) Seed Oil	S	S	S
Triticum Vulgare (Wheat) Germ Oil	S	S	S
Argania Spinosa Kernel Oil	S	S	S
Lanolin Oil	S	S	S
<b>WAXES</b>			
Beeswax	S	S	S
Copernicia Cerifera (Carnauba) Wax	I	I	I
Euphorbia Cerifera (Candelilla) Cera	I	I	S
Hydrogenated Microcrystalline Wax	S	S	S
<b>ESTERS</b>			
C12-15 Alkyl Benzoate	S	S	S
Caprylic/Capric Triglyceride	S	S	S
Isopropyl Myristate	S	S	S
Isopropyl Palmitate	S	S	S
<b>SUNSCREENS</b>			
Benzophenone-3	I	I	I
Buthyl Methoxydibenzoylmethane	I	I	I
Ethylhexyl Methoxycinnamate	S	S	S
Ethylhexyl Salicylate	S	S	S
Octocrylene	I	I	I

# MIRASIL STEARYL DM

<b>Homosalate</b>	S	S	S
<b>SILICONES</b>			
<b>CM5</b> (Cyclopentasiloxane)	S	S	S
<b>BALANCE</b> (CETYL PEG/PPG-10/1 Dimethicone)	S	S	S
<b>CAPRYLYL TSO</b> (Caprylyl Methicone)	S	S	S
<b>CETYL DM</b> (Cetyl Dimethicone)	S	S	S
<b>PTM</b> (Phenyl Trimethicone)	S	S	S

\* = 10% of **MIRASIL STEARYL DM** and 90% of tested material

S = Soluble

I = Completely or partially insoluble

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

<b>Instruction of use</b>	Typical use level of 0.5 to 5% is recommended.
<b>Regulation</b>	Please consult your local ELKEM SILICONES sales office.
<b>Limitations</b>	Please consult your local ELKEM SILICONES sales office.
<b>Packaging</b>	<ul style="list-style-type: none"> <li>• MIRASIL STEARYL DM is available in                             <ul style="list-style-type: none"> <li>○ Drum of 20 KG (44.1 LB)</li> </ul> </li> </ul>
<b>Storage and shelf life</b>	When stored in its original packaging: MIRASIL STEARYL DM may be stored at temperatures between 2°C / 36°F and 40°C / 104°F for up to 24 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
<b>Safety</b>	Please consult the Safety Data Sheet of: MIRASIL STEARYL DM

Visit our website [www.elkem.com/silicones/](http://www.elkem.com/silicones/)

#### Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.