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Technical Data Sheet  
**POMEGRANATE SEED OIL**  
Virgen  
QMR-TDS-PGSO\_Vir

A bright yellow oil and, typical in taste and smell. The Pomegranate Seed Oil is obtained by mechanical cold pressing and filtration only. Pomegranate seeds Oil free from antioxidants, artificial colourings, flavourings, foreign matter, preservatives, solvents or stabilizers.

Ingredients	Pomegranate Seeds (Punica Granatum)		
INCI	Punica Granatum Seed Oil		
CAS #	84961-57-9		
EC #	284-646-0		
Antioxidants	No antioxidants are added to the oil. At customer demand, it can be stabilized with Tocopherols		
<b>USES AND APPLICATIONS</b>			
Cosmetics	Emollient		
<b>REGULATION</b>			
The product corresponds to the requirements of THE REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 November 2009 on cosmetic products.			
<b>PROPERTIES AND APPLICATIONS</b>			
Emollient	Softens and smooths the skin.		
<b>PYSICOCHEMICAL</b>		<b>MICROBIOLOGY</b>	
Moisture	≤ 0.1 %	Total Viable count**	≤1000 ufc/g
Acid Value	≤ 5.0 mg KOH/g	Yeast & moulds **	≤100 ufc/ml
Peroxide Value	≤ 10.0 meq/Kg	Salmonella**	No detectable ufc/25g
Colour	≤ 12.0 Gardner	E. Coli**	No detectable ufc/ml
Saponification Value*	182.0 – 192.0 mg KOH/g	Staphylococcus aureus**	No detectable ufc/ml
Unsaponifiable matter*	≤ 2.5 %		
Refractive Index 20°C*	1.510 - 1.525		
Specific Gravity 20/20°C*	0.940 – 0.950 g/ml		
<b>ÁCIDOS GRASOS</b>			
Saturated fatty acids of chain length less than C16	≤ 0.3 %		
C16:0 Palmitic	2.0 -5.0 %		
C18:0 Stearic	≤ 3.0 %		
C18:1 Oleic	3.0-10.0 %		
C18:2 Linoleic	3.0 -10.0 %		
C18:3 9c 11t 13c Punicic	60.0-86.0 %		
C20:0 Icosanoic	≤ 1.0 %		
<b>HANDLING</b>			
Packaging	25 kg drums / 190 Kg metal drums		
Storage	Store in a cool, dry place between 5°C and 25°C, in original sealed packaging away from sources of light, heat or air.		
Shelf Life	At least 24 months under the above storage conditions. If packed in 25 kg best use within 6 months from packing date. The oil is packed under nitrogen, once opened use content quickly. When taking material fill the drum again with nitrogen and close the drum airtight to avoid oxidation.		

\* These parameters are tested 3 times a year on a random batch / \*\* These parameters are tested annually on a random batch

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