

**MATERIAL  
SPECIFICATION**

SPECIFICATION SHEET	
<b>Product Name:</b>	Castor oil - Castor olie
<b>Product INCI:</b>	Ricinus Communis Seed
<b>Product Code:</b>	SQ0090108 - OBW009
<b>CAS Number:</b>	8001-79-4
<b>EINECS Number:</b>	232-293-8
<b>Manufacturing Method:</b>	Expeller Pressed, Refined
<b>Shelf life:</b>	12 months
<b>Documentation Reviewed:</b>	May 2018

Analytical Details	Range %
Appearance	Oily Liquid
Odour	Odourless
Colour	Clear - Greenish - Yellow
Colour Lovibond	<2R, <20Y
Specific Gravity @ 20°C	0.915 - 0.925
Relative Density @ 15°C	0.957 - 0.969
Refractive Index @ 20°C	1.477 - 1.481
Free Fatty Acid (% as Oleic)	< 1.0
Peroxide Value (MEQ O <sub>2</sub> /KG)	< 10.0
Iodine Value (G/100G)	82.0 - 90.0
Acid Value	< 2.0
Saponification Value (MG KOH/Gr)	177.0 - 187.0
Unsaponifiable Matter	< 1.0
Acetyl Value (MGKOH/G)	140.0 - 150.0
Hydroxyl Value (MGKOH/G)	160.0 - 169.0

Fatty Acid Profile		Range %
C-Chain	Acid Name	
C16:0	Palmitic	1.0 - 2.0
C18:0	Stearic	1.0 - 3.0
C18:1	Oleic	2.0 - 5.0
C18:1	Ricinoleic	85.0 - 90.0
C18:2	Linoleic	3.0 - 7.0

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective; the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions, see SDS, in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.