



PRODUCT SPECIFICATION

Product Name	Organic Castor Oil				
Date	05/10/2016	Product Code	WHC288	Rev	5
Reason for Revision	To Comply with suppliers Specification				

Description	Ricinus Communis Seed Oil is the fixed oil obtained from the seeds of Castor, <i>Ricinus communis</i> , Euphorbiaceae.				
Appearance	Clear greenish /yellow liquid				
Odour	Characteristic				
INCI Name	Ricinus Communis Seed Oil				
CAS Number	8001-79-4	EC Number	232-293-8		

TEST SPECIFICATION

Analytical Test	Specification Range
Refractive Index @ 20°C	1.477 – 1.481
Specific Gravity @ 15.5°C (g/ml)	0.957 – 0.969
Free Fatty Acid (% As Oleic)	≤ 1.0
Iodine Value (mg/g)	82.0 – 90.0
Peroxide Value (Meq/Kg)	< 10.0 (at time of production analysis)
Saponification Value (mgKOH/g)	177.0 – 187.0
Unsaponifiable Matter (%)	≤ 1.0
Acid Value (mgKOH/g)	≤ 2.0
Viscosity @ 25° C	About 700 centipoise
Acetyl value	140.0 – 150.0
Hydroxyl value	160.0 – 168.0
Moisture (%)	≤ 0.25
Fatty Acid Profile (%)	
C 16:0 Palmitic Acid	1.0 – 2.0
C 18:0 Stearic Acid	1.0 – 3.0
C 18:1 Oleic Acid	2.0 – 5.0
C 18:1 (OH) Ricinoleic Acid	85.0 – 90.0
C 18:2 Linoleic Acid	3.0 – 7.0

STORAGE

Store product in full, tightly closed containers in a cool dry place away from heat and sunlight.



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STABILITY

When stored for more than 24 months, quality should be checked before use.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.



EC Feed Hygiene Registration No: GB/703/E3008