

Certificate of Analysis
(Representative Sample Certificate)

Product Name: Castor Oil
INCI Name: Castor Oil (Ricinus communis)
CAS Number: 8001-79-4
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 24 months from production date

Analytical Tests	Specifications	Results
Moisture & volatile	0.25% max	0.12
F.F.A.	0.75% max	0.40
Acid Value	2.0 max	0.795
SAP Value	177-185	181
UNSAF Value	0.50-0.80%	0.50
Hydroxyle Value	160-168	163
Iodine Value	82-90	83.8
Relative Density 15.5 °C	0.954-0.960	0.960
Sediment	NIL	NIL
Ash	NIL	NIL
Solubility	Soluble in Alcohol, Ether	Pass

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.