

Certificate of Analysis

Raw Material Code:	R00113	Product Description:	Castor Oil, BP
INCI Name:	Ricinus Communis Seed Oil		
EINECS Number:	232-293-8	CAS Number:	8001-79-4
Date of Production:	September-2015	Best Before:	September-2017
Lot Number:	L000147613	Retest Date:	-

Analytical Details	Result
Appearance	A clear almost colourless or slightly yellow viscous, hygroscopic liquid
Odour	Very slight and characteristic
Relative Density (g/ml)	0.96
Refractive Index nD20	1.479
FFA	0.36
Peroxide Value	0.77
Saponification Value	180.52
Unsaponifiable Matter (%)	0.35
Iodine Value (Calc.)	85.57
Acid Value (mg KOH/g)	0.72
Optical Rotation	+3.6
Hydroxyl Value	163.72
Light Absorbance @ 270nm	0.139

Palmitic Acid	C16:0	1.42
Stearic Acid	C18:0	1.46
Oleic Acid	C18:1	3.15
Ricinoleic Acid	C18:1 (OH)	87.67
Linoleic Acid	C18:2	5.22
Linolenic Acid	C18:3	0.41
Eicosenoic Acid	C20:1	Not Detected
Others	-	0.67