

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:	April-2017	Best Before:	March-2019
Lot Number:	L000222144	Retested date:	

Analytical Details	Result
Appearance	A clear almost colourless or slightly yellow viscous, hygroscopic liquid
Odour	Very slight and characteristic
Specific Gravity @ 20°C	0.960
Refractive index @ 20°C	1.478
Free Fatty Acid (% as Oleic)	0.160
Moisture (%)	0.16
Peroxide Value MeqO ₂ /kg	2.08
Saponification Value	180.6
Unsaponifiable matter	0.38
Iodine Value	86
Colour (Gardner)	1G
Acid Value (mg KOH/g)	0.34
Optical Rotation	+3.6
Hydroxyl Value (mg KOH/g)	164.18
Absorbance 270nm	0.168

Palmitic Acid	C16:0	1.11
Stearic Acid	C18:0	1.3
Oleic Acid	C18:1	3.41
Ricinoleic Acid	C18:1 (OH)	88.45
Linoleic Acid	C18:2	4.41
Alpha Linolenic Acid	C18:3	0.44
Eicosenoic Acid	C20:1	Not Detected
Others	-	0.78