



CERTIFICATE OF ANALYSIS

PRODUCT NAME: CASTOR OIL ORGANIC NOP
 INCI NAME: *RICINUS COMMUNIS*
 LOT NO: 909010

Parameters	Unit	Result
Acid Value	mg/KOH/g	0.43
Peroxide Value	meqO ₂ /kg	0.9
Color	Gardner	1.1
Iodine Value	gI ₂ /100g	85.1
Saponification Value	mg/KOH/g	179.6
Relative Density (20°C)		0.963
Refractive Index (20°C)		1.4786
Hydroxyl Value	mg/KOH/g	162.5
Optical Rotation	°	+4
Unsaponifiable Matter	%	0.47

FATTY ACID COMPOSITION

Palmitic	C16:0	1.1
Stearic	C18:0	1.4
Oleic	C18:1	3.8
Linoleic	C18:2	4.9
Linolenic	C18:3	0.6
Eicosenoic	C20:1	0.4
Ricinoleic		87.2