

CASTOR PRODUCTS COMPANY

(An ISO 9001:2008 Certified Company)

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TECHNICAL DATA SHEET

Castor Oil PPG Refined

1) Product Name : Castor Oil PPG Refined

2) Product Description :

Oil obtained from Selected Quality Castor seeds by pressing seeds in Hydraulic press at Room Temperature. Oil thus obtained Refined (With Bleaching Earth and Activated Carbon) and filtered in mechanical cloth filter and stored in storage tank for final dispatch.

Product Characteristics:

Sr. No.	Test	Method	Specification	Unit of measure
01	Physical Characteristics			
1.1	Relative Density at 20 ⁰ C	Ph Eur. (2.2.5)	0.958-0.969	Gm/ml
1.2	Refractive Index	Ph Eur. (2.2.6)	1.477-1.481	-
1.3	Light Absorbance	Ph. Eur. (2.2.25)	At 269nm=0.7 Max	-
1.4	Optical Rotation	Ph Eur (2.2.7)	+3.5 ⁰ to +6.0 ⁰	
1.5	Colour Lovibond Scale – 51/4”cell	AOCS Cc13e-92	5 Yellow 0.5 Red	Yellow, Red
02	Chemical Characteristics			
2.1	Acid Value	Ph. Eur. (2.5.1)	0.7 Max	Mg KOH/gm
2.2	Free Fatty Acid	Ph. Eur. (2.5.2)	0.35 Max	Mg KOH/gm
2.3	Peroxide Value	Ph. Eur. (2.5.5)	3.0 Max	-
2.4	Unsaponifiable Matter	Ph Eur (2.5.7)	0.8 Max	%
2.5	Saponification Value	Ph Eur (2.5.6)	176-186	Mg KOH/gm
2.6	Hydroxyl Value	Ph Eur (2.4.22)	160 Min	Mg KOH/gm
2.7	Iodine Value	Ph. Eur (2.5.4)	82-88	G12/100 gm
2.8	Moisture	Ph Eur (2.5.12)	0.15 Max	%
03	Fatty Acid Composition (GLC Test)			
	16:0 Palmitic acid	ISO 5508/5509	2.0 Max	%
	18:0 Stearic acid	ISO 5508/5509	2.5 Max	%
	18:1 Oleic acid and isomers	ISO 5508/5509	2.5 – 6.0	%
	18:2 Linoleic acid	ISO 5508/5509	2.5 – 7.0	%
	18:3 Lenolenic Acid	ISO 5508/5509	1.0 Max	%
	20:1 Eicosenic acid	ISO 5508/5509	1.0 Max	%
	Ricinoleic acid	ISO 5508/5509	85.0-92.0	%
	Others	ISO 5508/5509	1.0 Max	%

3) **Packing** : In 200 Kgs net wt. New MS Drums, 950 kg IBC tanks, 22 MT ISO tank container or in 22 MT Flexi Tank containers.