



## PENPET PETROCHEMICAL TRADING HAMBURG

**MERKUR PARK**  
Sieker Landstr. 126  
D-22143 Hamburg  
Germany

**FAX-No. (+) 49 40 675 799-99/88**  
**TEL-No. (+) 49 40 675 799-0**  
**e-mail: info@penpet.de**  
**Internet: www.penpet.de**

---

### SPECIFICATION

---

**Product: Castor Oil refined**

---

CHARACTERISTICS	UNITS	MIN. / MAX. VALUES
Appearance	--	colourless to yellowish liquid
Colour	Lovibond 5 1/4	max. 20 y max. 2 r
Moisture	%	max. 0.25
Saponification Number	mg KOH/g	177 - 185
Iodine Number <sup>1</sup>	g I <sub>2</sub> / 100g	82 - 90
Acid Number	mg KOH/g	max. 2.0
Hydroxyl Number	mg KOH/g	160 - 163
Unsaponifiable matter	%	max. 1.0
Specific gravity at 30°C	g/cm <sup>3</sup>	0.954 – 0.960

**Packing: 200kgs net drums**  
**Flexi-Bag in 20'Container**

Source: [www.penpet.de](http://www.penpet.de)

While Penpet undertakes reasonable efforts to offer accurate, complete and up-to-date information, Penpet is not responsible for and disclaims any liability for any damages, including without limitation, direct, indirect, incidental, consequential and special damages, alleged to have been caused by or in connection with the access and/ or use of this information.