

## CERTIFICATE OF ANALYSIS

**CASTOR OIL VIRGIN, PH.EUR. 7.0**

**Ricini oleum virginale**

FARMADENT d.o.o.  
Minarikova ul. 6  
2000 Maribor  
Prejel: FUJS DRAGO

Datum prejema: 16.9.14  
Prejedal: MAHOLT Robert, mag. farm. spec.

Datum pregleda: 16.9.2014

Product code:	P170302; P170322; P170300	Lot No.:	CP-MAR-COT-05-13-14
Production date:	Apr 2014	Retest date:	Apr 2016
Packaging:	1,0 L; 5,0 L; 10,0 L		

Parameter	Unit	Specification	Result
Appearance	----	Clear and bright fluid (20°C)	Complies
Acid value	mg KOH/g	Max 2	0,42
Hydroxyl value	mg KOH/g	Min 150	164,13
Peroxyde value	meq O <sub>2</sub> /Kg	Max10	1,26
Iodine value	g I <sub>2</sub> /100 g	82-90	85,58
Specific gravity at 20°C	g/cm <sup>3</sup>	ca 0,958	0,9617
Refractive index at 20°C	nD	ca 1,479	1,4791
Unsaponifiable mater	%	Max 0,8	0,33
Optical rotation	----	+3,5 - +6,0	+3,7
Water content	%	Max 0,3	0,16
Light absorption	1% solution in 96% ethanol at 269 nm	Max 1,0	0,139
Palmitic acid (C16:0)	%	Max 2	1,09
Stearic acid (C18:0)	%	Max 2,5	1,4
Oleic acid (C18:1)	%	2,5 - 6	3,68
Linoleic acid (C18:2)	%	2,5- 7	4,65
Linolenic acid (C18:3)	%	Max 1	0,48
Eicosenoic acid (C20:1)	%	Max 1	0,38
Ricinoleic acid	%	85 - 92	87,36
Another fatty acid	%	Max 1	0,96

### Registry

CAS: 8001-79-4

EINECS: 232-293-8 INCI: Ricinus communis Seed Oil

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