

# BOMAR

## SPECIFICATION SHEET

PRODUCT NAME: **CASTOR OIL (No1), REFINED**

PRODUCT INCI: RICINUS COMMUNIS SEED

PRODUCT CODE: K0108

CAS NUMBER: 8001-79-4

EINECS NUMBER: 232-293-8

MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED

SHELF LIFE: 12 MONTHS

DOCUMENTATION REVIEWED: MAY 2018

ANALYTICAL DETAILS	RANGE %
APPEARANCE	OILY LIQUID
ODOUR	ODOURLESS
COLOUR	CLEAR – GRRENISH - YELLOW
COLOUR LOVIBOND	≤2R, ≤20Y
SPECIFIC GRAVITY @ 20°C	0.915 – 0.925
RELATIVE DENISTY @ 15°C	0.957 – 0.969
REFRACTIVE INDEX @ 20°C	1.477 – 1.481
FREE FATTY ACID (% AS OLEIC)	< 1.0
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<10.0
IODINE VALUE (G/100G)	82.0 – 90.0
ACID VALUE	<2.0
SAPONIFICATION VALUE (MG KOH/GR)	177.0 – 187.0
UNSAAPONIFIABLE MATTER	≤1.0
ACETYL VALUE (MGKOH/G)	140.0 – 150.0
HYDROXL VALUE (MGKOH/G)	160.0 – 169.0

FATTY ACID PROFILE		RANGE %
C-CHAIN	ACID NAME	
C16:0	PALMITIC	1.0 – 2.0
C18:0	STEARIC	1.0 – 3.0
C18:1	OLEIC	2.0 – 5.0
C18:1	RICINOLEIC	85.0 – 90.0
C18:2	LINOLEIC	3.0 – 7.0

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