

CERTIFICATE OF ANALYSIS

PO.No. : OP45645 (DSI 6042)

QUANTITY
GROSS WEIGHT : 17.440 MT
TARE WEIGHT : 1.440 MT
NET WEIGHT : 16.000 MT

PACKING : 80 NEW M.S. DRUMS OF 200 KGS NETT EACH

PRODUCT : CASTOR OIL EUROPEAN PHARMA GRADE KOSHER EP5

SHIPPED PER VESSEL : SPIL KARTIKA V/2325W

CONTAINER NO. : NYKU 989781-9

MANUFACTURE DATE : 22.06.2023

EXPIRY DATE : BEST BEFORE 2 YEARS

ANALYSIS REPORT : AS ENCLOSED



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SHIPMENT OF CASTOR OIL EUROPEAN PHARMA GRADE KOSHER EP5 TO DURBAN, SOUTH AFRICA

INVOICE NO: 2322020103

PRODUCT: CASTOR OIL EUROPEAN PHARMA GRADE KOSHER EP5 DATE OF MANUFACTURE: 22.06.2023

ANALYSIS	SPECIFICATION	LOT NO. - TEST RESULTS
CONTAINER : NYKU 989781-9		E/015/22/06/23
9,10-DIHYDROXY STEARIC ACID	0.3-0.7	0.39
ACID VALUE MG KOH/G	2 MAX	0.48
ANY_OTHER_FATTY_ACID	1 MAX	0.02
APPEARANCE	CLEAR ALMOST COLOURLESS OR SLIGHTLY YELLOW VISCOUS HYGROSCOPIC LIQUID	PASS
EICOSENOIC ACID %	1 MAX	0.23
HYDROXYL VALUE mg KOH/g	150 MIN	161.85
IODINE VALUE g I2 / 100g	82-90	84.49
LINOLEIC ACID %	2.5-7.0	4.68
LINOLENIC ACID %	1 MAX	0.42
OLEIC ACID %	2.5-6.0	3.79
OPTICAL ROTATION @25 deg C	+3.5 - 6.0	+4.2
PALMITIC ACID %	2 MAX	1.38
PEROXIDE VALUE meq/1000gm	10 MAX	1.25
REFRACTIVE INDEX AT 25 DEG C	ABOUT 1.479	1.4771
RELATIVE DENSITY @ 20 DEG C	ABOUT 0.958	0.9592
RICINOLEIC ACID %	85-92	88.00
SOLUBILITY	SLIGHTLY SOLUBLE IN LIGHT PETROLEUM MISCIBLE WITH ALCOHOL AND WITH GLACIAL ACETIC ACID	PASS
SP ABSORRBANCE(MAXAT268-270NM)	1 MAX	0.450
STEARIC ACID %	2.5 MAX	1.08
UNSATONIFIABLE MATTER %	0.8 MAX	0.32
WATER %	0.3 MAX	0.16