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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: ROSEMARY ANTIOXIDANT, INFUSED IN RAPESEED OIL**

**LOT NUMBER: LOT0005568**

**PRODUCT INCI: ROSMARINUS OFFICINALIS LEAF EXTRACT & BRASSICA CAMPESTRIS SEED**

**PRODUCT CODE: K0791**

**CAS NUMBER: 8001-21-6 8002-13-9**

**EINECS NUMBER: 232-273-9 / 232-299-0**

**MANUFACTURING DATE: 10/02/2020**

**BEST BEFORE END: 10/02/2022**

ANALYTICAL DETAILS	RANGE %	RESULT
APPEARANCE	OILY LIQUID	-
ODOUR	CHARACTERISTIC	-
RELATIVE DENSITY @ 20°C	0.910 – 0.920	0.918
REFRACTIVE INDEX @ 20°C	1.465 – 1.479	1.473
FREE FATTY ACID (% AS OLEIC)	<0.15	0.06
PEROXIDE VALUE	<10.0	2.4
IODINE VALUE	105 - 127	107.1

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C14:0	MYRISTIC	<0.25	-
C16:0	PALMITIC	2.5 – 7.5	2.1
C16:1	PALMITOLEIC	<0.6	0.07
C18:0	STEARIC	0.8 – 3.0	2.6
C18:1	OLEIC	50.0 – 75.0	62.4
C18:2	LINOLEIC	15.0 – 30.0	18.4
C18:3	ALPHA LINOLENIC	5.0 – 14.0	5.0
C20:0	ICOSANOIC	<3.2	3.42
C20:1	ICOSENOIC	<5.0	0.1
C22:0	DOCOSANOIC	<1.0	0.05
C22:1	DOCOSENOIC	<2.0	0.03