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KALAHARI MELON SEED OIL

CERTIFICATE OF ANALYSIS

Product Description: CITRILLUS LANATUS

INCI name; Citrillus lanatus (watermelon) seed oil

CAS Number: 90063-94-8 / 90244-99-8

Method of Manufacturing: Cold Pressed

Batch Number: July2016

Best before: June 2019

Results received and passed

CONSTITUENT		SPECS	GC analysis
MYRISTIC ACID	C14:0	<1	not tested
PAMITIC ACID	C16:0	8-13%	9.11
PAMITOLEIC ACID	C16:1	<1	not tested
MARGARIC ACID	C17:1	0.00%	not tested
STEARIC ACID	C18:0	5-11%	8.02
OLEIC ACID	C18:1	10-29%	14.98
LINOLEIC ACID	C18:2	55-70%	66.21
ALPHA- LINOLENIC ACID	C18:3	<2	not tested
ARACHIDIC ACID	C20:0	<1	not tested
EICOSENOIC	C20:1	0%	not tested
BEHENIC	C22:0	<1	not tested
ERUCIC	C22:1	0%	not tested
FATS	SATURATED FAT	19	
	MONO-UNSATURATED FAT	17	
	POLY-UNSATURATED FAT	64	
PHYSICAL PROPERTIES	FREE FATTY ACIDS	<2	0.8
	ACID VALUE	<5	<2
	SAPONIFICATION VALUE	180 - 200	not tested
	REFRACTIVE INDEX	0.91 - 1.51	1.4747
	RELATIVE DENSITY	0.874 - 0.954	0.9217
BACTERIAL COUNTS	TBC	100cfu/g	no growth
	Coliforms	100cfu/g	no growth
	E-coli	Neg/g	no growth
	Yeasts	100cfu/g	no growth
	Moulds	100cfu/g	no growth
	Staphylococcus aureus	Neg/g	no growth
	Salmonella	NEG/25g	absent
HEAVY METALS	Mercury	1ppm	not tested
	Cadmium	<1ppm	not tested
	Lead	<10ppm	not tested
	Arsenic	<3ppm	not tested
PESTICIDES RISIDUE	Conform to EU regulations (EC) 396/2005		not tested
WATER CONTENT		<0.2%	not tested
ORGANOLEPTIC	ASPECT	Limpid oil without any trouble	complies
	COLOUR	light yellow	complies
	ODOUR	Almost odourless	complies
	FLAVOUR	Characteristic nutty	complies