

The Soap Kitchen Certificate of Analysis

Description: Grapeseed Oil, Refined

Batch No: 18003

Inci Name: Vitis Vinifera (Grape) Seed Oil

Cas No: 8024-22-4

Einecs No: 287-896-9

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear, light yellow liquid	Complies
ODOUR	Almost odourless	Complies
COLOUR (LOVIBOND 5.25" CELL)	≤ 25 y, 2.5 r	16 y, 1.4 r
REFRACTIVE INDEX @ 20°C	1.473 – 1.477	Complies
RELATIVE DENSITY @ 20°C	0.910 – 0.925	0.921
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.1
IODINE VALUE (CALC)	130 - 145	141
PEROXIDE VALUE (Meq O ₂ / kg)	≤ 4.0	0.9
SAPONIFICATION VALUE	185 - 200	191
UNSAPONIFIABLE MATTER	≤ 1.5	0.8
ACID VALUE	≤ 2.0	0.2

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE	RESULT
	PALMITIC	C16:0	5 – 9	6.4
PALMITOLEIC	C16:1	≤ 0.5	0.1	
STEARIC	C18:0	3 – 6	4.1	
OLEIC	C18:1	15 – 28	21.4	
LINOLEIC	C18:2	60 – 75	66.6	
ALPHA LINOLENIC	C18:3	≤ 1.5	0.1	
ARACHIDIC	C20:0	≤ 1.5	0.4	
EICOSENOIC	C20:1	≤ 1.0	0.2	
BEHENIC	C22:0	≤ 1.0	0.5	
LIGNOCERIC	C24:0		≈ 0.16	

Date Produced: November 2010

Best Before: November 2011

Spec: Z12-1/02

Revised: 15.11.2010 AM