

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS MARULA OIL

#### DESCRIPTION

**Product:** Marula Oil  
**INCI:** Sclerocarya birrea seed oil

#### CHARACTERISTICS

Characteristic	Unit	Method	Specification	Result
Appearance		Visual	Dark yellow oil	Dark yellow oil
Odor		Olfactory	Slightly nutty	Slightly nutty
Iodine Index	g I <sub>2</sub> / 100g	Wijs (fat) DGF C V 11dA	60-80	Conforms
Peroxide value	meq O <sub>2</sub> actif / kg fat	ASU L13.00-37A	<10	Conforms
Saponification value	mg KOH/g OS	DGF C-V 3 (77)A	185-200	Conforms
<b>Fatty acid composition</b>				
Palmitic acid (C16:0)	% by weight tFA	WES 285, LLW-029A	9-16	11,9
Stearic acid (C18:0)	% by weight tFA	WES 285, LLW-029A	5-11	6,8
Oleic acid (C18:1)	% by weight tFA	WES 285, LLW-029A	65-80	66,1
Linoleic acid (C18:2)	% by weight tFA	WES 285, LLW-029A	4-15	11,8

<b>Microbiological analysis</b>				
Total aerobic microbial count/g	cfu	ISO 21149 mod. to Ph.Eur.7.0/2.06. 12 mod.	<1000	140
Total combined yeast/mould count/g	cfu	ISO 21149 mod. to Ph.Eur.7.0/2.06. 12 mod.	<1000	60
Specific microorganisms/g (Pseud. aeruginosa, E. coli, Staph aureus, Candida albicans) 1g	cfu	ISO 18415	absence	absence

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