



PRODUCT SPECIFICATIONS

Floratech® Headquarters: 291 E. El Prado Court • Chandler, Arizona 85225 • +1 480 545 7000



Product Name: L22®
Botanical Origin: *Macadamia integrifolia, Simmondsia chinensis, Olea europaea*
Description: Liquid at or above 25°C*
Product Code: L1N022

<u>Specification</u>	<u>Method</u>	<u>Units</u>	<u>Range</u>	
			<u>Min</u>	<u>Max</u>
Odor	TW71			Typical
Absence of Microbial Contamination	TW26	CFU/g	0	100
Acid Value	AOCS Cd 3d-63	mg KOH/g	0	2
Color	AOCS Td 1a-64	Gardner	0	5
Fatty Acid Composition	TW87	wt. %		
Palmitoleic 16:1			5	20
Peroxide Value	AOCS Cd 8b-90	meq/kg	0	6
Phytosterols	TW89	Area %	0.3	0.7
Squalene	TW89	Area %	11	14
Triglycerides and Free Fatty Acids	TW89	Area %	53	71
Wax Esters and Sterol Esters	TW89	Area %	23	27

<u>Composition by INCI Name</u>	<u>Approx. Wt. %</u>
Jojoba Oil/Macadamia Seed Oil Esters	81 - 90
Squalene	11 - 14
Phytosteryl Macadamiate	1.9 - 2.3
Phytosterols	0.3 - 0.7
Tocopherol	0.1 - 0.2

*Below 25°C, partial crystallization may appear as cloud-like formations which may settle to the bottom. The product can be used as is or warmed slightly to remove cloudiness.

Shelf Life/Retest Interval: 1 year

Specification properties are verified on every product lot.
Product samples are exempt from warranties.

Revision Date: April 2014 Revision Level: a File Name: 038
TW Method: Floratech Methods

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