



a **Cargill** company

PRODUCT SPECIFICATIONS

Floritech® • 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: 2 Years from Date of Manufacture

Specification properties are verified on every product lot.

Revised Date: August 2022

Revision Level: c

TW Method: Floritech Methods

AOCS Method: Official and recommended practices of the American Oil Chemists' Society

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. WE THEREFORE DISCLAIM TO THE FULLEST EXTENT PERMITTED BY LAW, ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED REGARDING THE INFORMATION OR PRODUCTS REFERRED TO HEREIN, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE. We accordingly also exclude all liability in connection with the purchaser's/user's use of the products or the information referred to herein. Products have not been tested for compliance in finished drug products. We recommend you consult with your own legal and regulatory experts to determine compliance of your finished product.