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PRODUCT SPECIFICATIONS

Product: FLORAESTERS® 70
INCI Name: Jojoba Esters **Botanical Origin:** *Simmondsia chinensis*
Description: Crystalline jojoba wax particles; hard, white, odorless.
Product Code: E4A-070

<u>Typical Properties</u>	<u>Method</u>	<u>Units</u>	<u>Range</u>	
			<u>min.</u>	<u>max.</u>
Saponification Value	AOCS Cd 3-25	mg KOH/g	88	96
<i>Trans</i> isomers	AOCS Cd 14-95	wt. %	None detected	

Specification Values

Acid Value	AOCS Ci 4-91	mg KOH/g	---	1
Color, Lovibond, 5¼" cell	AOCS Cc 13e-92		---	1 Red
Ester Composition:	TW08	area %		
38:0			5	8
40:0			23	34
42:0			44	56
44:0			8	12
Iodine Value	AOCS Cd 1d-92	g Iodine/100g	---	2
Melting Point	TW13	°C	66	70
Odor	TW71	---	Typical	
Peroxide Value	AOCS Cd 8-53	meq/kg	---	2
Absence of microbial contamination	TW26	CFU/g	---	100

Composition (INCI Name)

	<u>Wt. %</u>
Jojoba Esters	100

Shelf Life (from date of purchase when stored in the original unopened container at or below 35°C) 1 year

Typical Properties are verified on a random basis.

TW Method: Floritech Methods

Specification properties are verified on every product lot.

AOCS Method: Official Method of the American Oil Chemists' Society

FLORAESTERS Section

This product is warranted to perform in accordance with specifications and to be free from defects for 12 months from the date of purchase, when stored in the original unopened container, and with proper handling and storage. Floritech's obligation is limited to replacement of the product and is in lieu of all other warranties, expressed or implied. In no event shall Floritech be responsible for any incidental or consequential damages. Fully detailed technical literature is available. The preceding data is provided for the convenience of the user and does not relieve the user of normal liability for inspection of material upon delivery or prior to actual use. No warranty of fitness for a particular purpose is made. Statements concerning the possible use of our product is not intended as recommendations to use our product in the infringement of any patent. This product contains no animal-derived ingredients and, therefore, cannot carry the Bovine Spongiform Encephalopathy (BSE) disease. This product contains no detectable 'trans' isomers and no ingredients derived from genetically modified organisms (GMO).
PS E4A-070