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## PRODUCT SPECIFICATIONS

**Product:** FLORAESTERS® Jojoba Oil – Not Refined\*, FLORAESTERS® Jojoba Oil – Refined\*  
**INCI Name:** Simmondsia Chinensis (Jojoba) Seed Oil **Botanical Origin:** *Simmondsia chinensis*  
**Description:** Clear liquid at or above room temperature (24°C). Below room temperature, 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.  
**Product Code:** Not Refined (golden color): E3A-002, Refined (almost colorless): E3A-003

Typical Properties	Method	Units	Range - Not Refined		Range - Refined	
			min	max	min	max
Dropping Point	TW68	°C	12	15	12	15
Iodine Value	AOCS Cd 1d-92	g/100g	79	86	79	86
Refractive Index @ 40°C	AOCS Cc 7-25	n <sub>D</sub>	1.458	1.460	1.458	1.460
Saponification Value	AOCS Cd 3-25	mg KOH/g	88	96	88	96
Specific Gravity	AOCS Cc 10c-95	---	0.862	0.867	0.862	0.867
Trans isomers	AOCS Cd 14-95	wt. %	None detected		None detected	
Triglyceride Content	TW31	wt. %	---	1	---	1
<b>Specification Values</b>						
Acid Value	AOCS Ci 4-91	mg KOH/g	---	2	---	0.9
Color	AOCS Td 1a-64	Gardner	---	9	---	1+
	AOCS Cc 13e-92	Lovibond-5¼"	n/a	n/a	---	1 R, 3 Y
Ester Composition	TW08	area %				
C 36			---	2	---	2
C 38			3	8	3	8
C 40			23	34	23	34
C 42			44	58	44	58
C 44			8	14	8	14
C 46			---	3	---	3
Odor	TW71	---	Typical		Typical	
Peroxide Value	AOCS Cd 8-53	meq/kg	---	5	---	5
Absence of microbial contamination	TW26	CFU/g	---	100	---	100

### Composition (INCI Name)

Simmondsia Chinensis (Jojoba) Seed Oil

### Wt. %

100

\* Not Refined (golden color), Refined (almost colorless)

**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 E3A-STD

Date Revised: February 2006

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