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CERTIFICATE OF ANALYSIS**Products: FLORAESTERS® 20****Product Cod** E1A-020**Lot Number:** FEME08**Description:** Naturally white colored soft paste**Typical Properties¹****Methods****Units****Range**

min. max.

Ester Composition

TW08²

area %

38:0

--- 1

38:1

1 2

38:2

3 5

40:0

1 2

40:1

8 13

40:2

20 28

42:0

1 4

42:1

10 18

42:2

22 30

44:0

--- 1

44:1

2 6

44:2

5 9

Saponification Value

AOCS Cd 3-25³

mg KOH/g

88 96

Absence of trans isomers

AOCS Cd 14-95

wt. %

none detected

Specification Values⁴**Actual**

Acid Value

AOCS Ci 4-91

mg KOH/g

--- 1

0.1

Color

AOCS Cc 13e-92

mg KOH/g

--- 1 Red

0.1 Red

Iodine Value

AOCS Cd 1d-92

g/100g

64 70

68

Dropping Point

TW68

meq/kg

42 48

46

Monounsaturated Esters

TW08

area %

25 35

30

Peroxide Value

AOCS Cd 8-53

meq/kg

--- 4

0.0

Absence of Microbial Contamination

TW26

°C

--- 100

<100

Composition (INCI Names)**Wt. %**

Tocopherols

0.05

Jojoba Esters

99.95

Shelf Life (from date of purchase)1 year⁵**Signature:****Title:**

Chemist

Name:

David Ashley

Date Prepare

01-Sep-04

¹ These properties are verified on a random basis.

² Floratech methods.

³ Official and recommended practices of the American Oil Chemists' Society.

⁴ These properties are verified on each lot at time of manufacture.

⁵ When stored in the original unopened container at or below 35°C.

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. Floratech's obligation is limited to replacement of the product and is in lieu of all other warranties, expressed or implied. In no event shall Floratech 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. Absence of microbial contamination (<100 CFU/g) is guaranteed - this guarantee does not apply to samples. No warranty of fitness for a particular purpose is made. Statements concerning the possible use of our product are 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. This product contains no ingredients derived from genetically modified organisms (GMO).