

**ALMOND OIL**  
**CERTIFICATE OF ANALYSIS**  
**LOT#2025**

ANALYSIS	RESULT	SPECIFICATIONS	METHOD
<b>Physical features:</b>			
Appearance	Pass	Clear light yellow oil at room temperature. May cloud when chilled	Visual
Color	18.0/2.0	Max. 20/2.5	Lovibond 5½"
Relative density (25°C)	0.915	0.910 - 0.915	EP 5 (2.2. 5.)
Refractive index (20°C)	1.4716	1.465 - 1.473	EP 5 (2.2. 6.)
Moisture	0.02	Max. 0.5	EP 5 (2.2.12.)
Cold test (5°C/5.5 hrs)	Clear	Clear	NGD C24 - 1979
<b>Chemical features:</b>			
F.F.A. (oleic acid)	0.25 ml of 0.10 N Sodium Hydroxide	Not more than 5.0 ml of 0.10 N Sodium Hydroxide	EP 5 (2.5. 1.)
Iodine value	101.6	95 - 105	EP 5 (2.5. 4.)
Peroxide value	0.5	Max. 10	EP 5 (2.5. 5.)
Saponification value	191.6	190 - 200	EP 5 (2.5. 6.)
Unsaponifiable matter	0.9	Max. 1.0	EP 5 (2.5. 7.)
<b>Fatty acids composition: EP 5 (2.4.22.)</b>			
Miristic acid C 14:0	0.05	Max. 0.1	
Palmitic acid C 16:0	6.5	4.0 - 9.0	
Palmitoleic acid C 16:1	0.5	Max. 0.7	
Stearic acid C 18:0	1.5	0.9 - 3.0	
Oleic acid C 18:1	65.0	50.0 - 86.0	
Linoleic acid C 18:2	26.0	20.0 - 30.0	
Linolenic acid C 18:3	0.1	Max. 0.2	
Arachidic acid C 20:0	0.1	Max. 0.5	
<b>Other tests:</b>			
Foreign kernel oils	<b>Complies</b>	Absent	USP 29/NF 24, p. 3270
Cotton seed oil	<b>Complies</b>	Absent	USP 29/NF 24, p. 3270
Sesame seed oil	<b>Complies</b>	Absent	USP 29/NF 24, p. 3270
Mineral oil and foreign fatty oils	<b>Complies</b>	Absent	USP 29/NF 24, p. 3270
Olive, peanut and other fixed oils	<b>Complies</b>	Absent	USP 29/NF 24, p. 3270

WE MAKE EVERY EFFORT TO ENSURE THE QUALITY OF EACH DRUM. HOWEVER, THE USER MUST USE GOOD MANUFACTURING PROCEDURES TO INSPECT THE CONTENTS AND CONFIRM QUALITY PRIOR TO USE. (Oil should be homogenized and inspected for cloudiness prior to use. Heat cloudy oil to approximately 45 °C until oil clears. Storage above 16 °C is recommended to maintain clarity)

The Chemistry Store

PO# 01082013103

Item# Sweet Almond Oil

2 x 418.9 Lb Drums

Manufacture Date: 12/12

Expiration/Retest Date: 2 Years+\*Expiration date is based on storage in sealed unopened drums at room temperature (approx. 68°F) under nitrogen blanket.

\*Periodic retesting recommended.