



UNIVERSAL PRESERV-A-CHEM INC.
Chemicals for Food, Pharmaceutical, Cosmetic and Industrial Trade

CERTIFICATE OF ANALYSIS

Product: ALMOND OIL SWEET RBDW
Trade Name: Unoil @ AO 100

UPI Item # 400208
CAS # 68956-68-3
Lot # UPI16145

Test Date: 2/23/2022
Best By Date: 8/23/2023

TEST	SPECIFICATIONS		TEST RESULTS
	MIN	MAX	
*Form	Oily Liquid		
*Color	Clear to Pale Yellow		Pass
*Odor	Characteristic		Pass
*†Identification (FTIR)	To Meet Requirements		Pass
*Specific Gravity 25° C, g/cm3			Pass
Acid Value	0.910	0.915	0.912
Iodine Value		2.0	0.1
Saponification Value	95	105	100
Foreign Kernel Oils	190	200	190
Cottonseed Oil	To Meet Requirements		Pass
Mineral Oil and Foreign Fatty Oils	To Meet Requirements		Pass
Foreign Oils	To Meet Requirements		Pass
Kries Test	To Meet Requirements		Pass
Microbial Content, ufc/g	To Meet Requirements		Pass
Peroxide Value (meq/kg at time of pack, 20°C)		< 100	< 100
*Infrared Spectrum		< 2.0	1.0
Sesame Oil	To Meet Requirements		Pass
Lovibond	To Meet Requirements		Pass
Red	To Meet Requirements		Pass
Yellow	Approx. 1.4		1.0
*Refractive Index	Approx. 11.0		5.5
Unsaponifiable Matter, %	Approx. 1.4700		1.4700
Free Fatty Acids, %		1.5	< 1.5
Chromatogram		1	≤ 1
	Fatty Acids:		
Palmitic and Lower, %			
Palmitoleic, %	3.0	9.0	5.7
Stearic, %		2.0	0.2
Oleic, %		3.0	3.0
Linoleic, %	60.0	70.0	63.6
Linolenic and Higher, %	20.0	30.0	26.0
		2.0	< 2.0

Unless noted, the above information is a direct translation of the information provided by the manufacturer.

* Note - An inspection of this lot of material and subsequent retesting of the indicated parameters were performed by UPI's Quality Assurance Lab. An extended expiration / recommended retest date was assigned based on this data. It is the responsibility of the end user to evaluate and determine if further testing will be necessary for their application. This extension is not a substitute for appropriate Quality Control analysis prior to use.

†Value-added testing performed by UPI's Quality Assurance Laboratory.

STORAGE: Keep in sealed, unopened, original containers at 60° - 80° F. Avoid conditions of high humidity and temperature.

DCS: JRC/DLC

Approved By: [Signature]

Date: 2/23/2022

Quality With Responsible Care!

2300 Park Center Drive, Bolinas, CA 94924

The information contained herein is to our best knowledge true and accurate, but all recommendations or suggestions conditions of use are beyond our control.



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