

Product	LEMON ESSENTIAL OIL, ARGENTINA
Lot #	2101422
Shelf Life	1 year

Properties	Specifications	Results	
Appearance	Liquid	Conform	
Odor	Characteristic	Conform	
Specific Gravity 20°C	0.845 – 0.854	0.8496	
Refractive Index 20°C	1.473 – 1.479	1.4742	



Product

Lot # Shelf Life	2022041 1 year		
	i year		
Properties	Specifications	Results	
Appearance	Limpid Liquid	Conform	
Color	Yellow	Conform	
Odor	Characteristic	Conform	
Specific Gravity 20°C	0.845 - 0.854	0.853	
Refractive Index 20°C	1.473 – 1.479	1.473	
Optical Rotation	57 – 70	60.5	
Acetate Geranyle	0.01 – 0.3	0.3	
Acetate Neryle	0.01 – 0.5	0.4	
Alpha Pinene	1.4 – 3	1.9	
Alpha Terpineol	≤ 0.4	0.1	
Alpha Thujene	0.2 - 0.5	0.4	
Beta Bisabolene	0.2 - 0.9	0.5	
Beta Pinene	7 – 16	14.4	
Gamma Terpinene	6 – 12	8.2	
Geranial	0.5 – 2	1.3	
Limonene	59 – 75	65.1	
Neral	0.2 – 1.2	0.7	
Paracymene	0.05 - 0.35	0.3	
	1.4 – 3	2.3	
Peroxide Value	≤ 20		
Aldehydes Content	2.5 - 3.2	3.15	
Paracymene Sabinene Peroxide Value	0.05 – 0.35 1.4 – 3 ≤ 20	0.3 2.3 5	

LEMON ESSENTIAL OIL, ARGENTINA



Product

Lot # Shelf Life	1911042 1 year		
Properties	Specifications	Results	
Appearance	Limpid Liquid	Conform	
Color	Yellow	Conform	
Odor	Characteristic	Conform	
Specific Gravity 20°C	0.845 – 0.854	0.853	
Refractive Index 20°C	1.473 – 1.479	1.474	
Optical Rotation	57 – 70	57.1	
Acetate Geranyle	0.01 – 0.3	0.3	
Alpha Pinene	1.4 – 3	2	
Alpha Terpineol	≤ 0.4	0.2	
Alpha Thujene	0.2 - 0.5	0.4	
Beta Bisabolene	0.2 - 0.9	0.5	
Beta Pinene	7 – 16	14.5	
Gamma Terpinene	6 – 12	8.8	
Geranial	0.5 – 2	1.2	
Limonene	59 – 75	63.5	
Neral	0.2 – 1.2	0.7	
Paracymene	0.05 - 0.35	0.2	
Sabinene	1.4 – 3	2.1	
Peroxide Value	≤ 20	8	
Aldehydes Content	2.5 - 3.2	2.8	

LEMON ESSENTIAL OIL, ARGENTINA



EMON ESSENTIAL OIL, ARGENTINA 816701
year

Specifications	Results	
Liquid	Conforms	
Characteristic	Conforms to Standard	
	1.4741	
	0.8504	
	+ 64.8 <sup>0</sup>	
	Liquid	Liquid Conforms Characteristic Conforms to Standard 1.4741 0.8504



Product Lot # Shelf Life	LEMON ESSENTIAL OIL, ARGENTIN 01004436 1 year	۹A
Properties	Specifications	Results
Appearance Odor	Liquid Characteristic	Conforms Conforms to Standard

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Color	Yellow Dark Yellow	Conforms
Refractive Index 20° C	1.473 – 1.4760	1.4737
Refractive Index 25° C	1.4700 – 1.4750	0.4717
Specific Gravity 20/20 <sup>0</sup> C	0.8480 - 0.8580	0.8513
Specific Gravity 25/25º C	0.8470 – 0.8520	0.8481
Flash Point <sup>0</sup> F (Closed cup)	108 Minimum	Conforms



Product Lot # Shelf Life	LEMON ESSENTIAL OIL, ARGENTII 01003982 1 year	NA
Properties	Specifications	Results
Appearance Odor Color	Liquid Characteristic Yellow Dark Yellow	Conforms Conforms to Standard Conforms

Refractive Index 20 <sup>0</sup> C	1.473 – 1.4760	1.4737
Refractive Index 25°C	1.4700 – 1.4750	0.4717
Specific Gravity 20/20 <sup>0</sup> C	0.8480 - 0.8580	0.8514
Specific Gravity 25/25º C	0.8470 – 0.8520	0.8482
Flash Point <sup>0</sup> F (Closed cup)	108 Minimum	Conforms