

Product LEMON ESSENTIAL OIL, ARGENTINA

Lot # 2022041 **Shelf Life** 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	1.473	
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	
Sabinene	1.4 – 3	2.3	
Peroxide Value	≤ 20	5	
Aldehydes Content	2.5 - 3.2	3.15	



Product LEMON ESSENTIAL OIL, ARGENTINA

Lot # 1911042 **Shelf Life** 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	



Product LEMON ESSENTIAL OIL, ARGENTINA

Lot # 1816701 **Shelf Life** 1 year

Properties	Specifications	Results	
Appearance	Liquid	Conforms	
Odor	Characteristic	Conforms to Standard	
Refractive Index 20°C		1.4741	
Specific Gravity 20/200 C		0.8504	
Optical Rotation		+ 64.8 °	



Product LEMON ESSENTIAL OIL, ARGENTINA

Lot # 01004436 **Shelf Life** 1 year

Properties	Specifications	Results	
Appearance	Liquid	Conforms	
Odor	Characteristic	Conforms to Standard	
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 20/200 C	0.8480 - 0.8580	0.8513	
Specific Gravity 25/25° C	0.8470 - 0.8520	0.8481	
Flash Point ⁰ F (Closed cup)	108 Minimum	Conforms	



Product LEMON ESSENTIAL OIL, ARGENTINA

Lot # 01003982 **Shelf Life** 1 year

Properties	Specifications	Results	
Appearance	Liquid	Conforms	
Odor	Characteristic	Conforms to Standard	
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 20/200 C	0.8480 - 0.8580	0.8514	
Specific Gravity 25/25° C	0.8470 - 0.8520	0.8482	
Flash Point ⁰ F (Closed cup)	108 Minimum	Conforms	