



## Technical Data Sheet




Kosher & Halal Certified  
Updated August 23rd, 2018 REV 03

### COLD PRESSED MEXICAN LIME OIL TYPE A

#### General Description

The essential oil obtained by centrifuging of the oil-juice emulsion resulting from pressing the Key lime fruit (*Citrus aurantifolia* Swingle).

#### Sensorial Characteristics

-  **Aspect:** Clear liquid, which often shows a waxy precipitate.
-  **Color:** Yellow to brownish green or light green.
-  **Odor:** Fresh, citrus, reminiscent of lime juice.

### Physical and Chemical Characteristics

	SPECIFICATIONS
Refractive Index @ 20°C	1.4820 - 1.4860
Optical Rotation @ 20°C	+35.0° - 41.0°
Specific Gravity @ 20/20 °C	0.872 - 0.0881
Aldehydes as Citrical % w/w	4.0 - 6.5
Residue on Evaporation %	10.0 - 14.5

#### Packing

Iron drums with an interior epoxy-phenolic varnish with a net weight of 25, 50 or 181.5 Kg.

#### Recommendations

Storage at ambient temperature and keep in shadow.

#### Shelf life

Two years from production date.



## GC Specifications

COMPOUND	AVG	MIN	MAX
$\alpha$ Thujene	0.43	0.28	0.51
$\alpha$ Pinene	2.31	1.92	2.68
Camphene	0.11	0.07	0.21
Methylheptenone	0.00	0.00	0.01
Sabinene	2.05	0.98	2.97
$\beta$ Pinene	19.05	16.92	20.61
Myrcene	1.36	1.24	1.50
$\alpha$ -Phellandrene	0.06	0.02	0.12
1,4- Cineole+ $\delta$ -3-Carene	0.01	0.00	0.05
$\alpha$ -Terpinene	0.30	0.01	0.41
p-Cymene	0.24	0.10	0.50
$\delta$ -Limonene+1,8-cineole	49.96	42.76	48.96
$\gamma$ -Terpinene	9.43	7.68	11.35
Terpinolene+Nonanal	0.54	0.43	0.65
Linalool	0.14	0.01	0.20
Cintronellal	0.04	0.01	0.13
Terpinen-4-ol	0.53	0.01	0.89
$\alpha$ Terpineol	0.42	0.21	0.64
Decanal	0.18	0.09	0.27
Nerol	0.09	0.01	0.17
Neral	1.78	1.34	2.07
Geraniol	0.12	0.05	0.19
Geranial	2.74	2.11	3.12
Undecanal	0.03	0.01	0.04
$\delta$ -Elemene	0.40	0.17	0.58
Neryl Acetate	0.39	0.11	0.79
Geranyl Acetate	0.21	0.16	0.27
Dodecanal	0.15	0.05	0.30
cis- $\alpha$ -Bergamotene	0.08	0.01	0.11
$\beta$ -Caryophyllene	0.90	0.57	1.09
trans- $\alpha$ -Bergamotene	1.32	1.04	1.54
$\beta$ -Farnesene	0.13	0.03	0.17
$\alpha$ -Humulene	0.17	0.12	0.20
$\beta$ -Copaene	0.27	0.04	0.43
t,t, $\alpha$ -Farnesene	1.19	0.76	1.51
$\beta$ -Bisabolene	2.06	1.73	2.69
HEADS	83.81	81.20	85.83
OXYGENATED	7.88	7.02	8.91
SESQUITERPENES	8.35	6.20	10.46

**Conditions:** 30 m. long, 0.32 mm diameter, 1 $\mu$ m thickness of HP-5 on fused silica capillary column.  
Temperatures: 4 min at 75°C then 4°C/min to 200°C staying 1 min, then 8°C/min to 200°C.