

CERTIFICATE OF ANALYSIS

PRODUCT NAME	LEMON OIL ORGANIC
LATIN NAME	<i>Citrus Limonum</i>
CAS NO	84929-31-7
PRODUCT CODE	PGLEMCL01
MANUFACTURE DATE	10/2018
EXPIRY DATE	10/2020
BATCH NUMBER	LEMO1018SO
COUNTRY OF ORIGIN	SOUTH AFRICA
PART OF PLANT USED	PEEL (COLD PRESSED)
ORIGINAL DATE ISSUED	05/10/2018
DATE DISPATCHED	21/01/2020

ANALYTICAL DETAILS	SPECIFICATIONS	RESULTS
COLOUR	CLEAR PALE YELLOW TO GREENISH	COMPLIES
ODOUR	SWEET CITRUS AROMA	COMPLIES
PHYSICAL STATE	LIQUID OIL	COMPLIES
REFRACTIVE INDEX (20°C)	1.4730 - 1.4760	1.4757
RELATIVE DENSITY (20°C)	0.850 - 0.858	0.8514
OPTICAL ROTATION	+57° - +70°	+66.99°

MAJOR CHEMICAL CONSTITUENTS	RESULTS	SPECIFICATION
CHEMICAL NAME	COMPOSITION (%)	COMPOSITION (%)
ALPHA THUJENE	0.343	0.26 - 0.39
ALPHA PINENE	1.551	1.12 - 1.51
SABINENE	1.687	6.6 - 10.81
BETA PINENE	9.838	
MYRCENE	1.539	1.45 - 1.75
LIMONENE	71.295	65.96 - 75.99
GAMMA TERPINENE	8.085	7.16 - 9.82
TERPINOLENE	0.336	0.31 - 0.48
ALPHA TERPINEOL	0.103	0.1 - 0.37
NERAL	0.750	0.48 - 1.72
GERANIAL	1.263	0.68 - 2.86
NERYL ACETATE	0.502	0.3 - 0.53
GERANYL ACETATE	0.331	0.17 - 0.54
BETA CARYOPHYLLENE	0.333	0.16 - 0.35
TRANS ALPHA BERGAMOTENE	0.469	0.31 - 0.62
BETA BISABOLENE	0.867	0.46 - 0.91

STORAGE CONDITIONS	STORE IN A COOL DARK PLACE
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A. SALMAN
 AYANDA SALMAN
 QC DEPARTMENT

This information is believed to be current and accurate but is provided without any warranty expressed or implied.
 Customers are advised to determine in advance the safe conditions for use of this product.

