

Technical Data Sheet

Organic essential oil of Lemon from Italy

1/ Identification of the company

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2/ Identification of the substance

1.1 Identification of the substance

Trade name :	Lemon	Geographical origin :	Italy
Botanical name :	<i>Citrus limon L. Burman f.</i>	Botanical family :	Rutaceae
INCI name :	CITRUS LIMON PEEL OIL		
N° CAS TSCA :	8008-56-8	N° FEMA :	2625
N° CAS EINECS :	84929-31-7	N° FDA :	182.20
N° EINECS :	284-515-8	N° CoE :	139a

1.2 Manufacturing process

Expression of the fresh pericarp.

3/ Physical and chemical properties

Quality:	Organic essential oil, 100% pure and natural		
Appearance:	fluid liquid		
Colour:	light yellow to slightly greenish yellow		
Odour:	fresh, powerful		
Specific gravity at 20°C:	0.840 to 0.860	Flash point:	+53°C
Refractive index at 20°C:	1.467 to 1.487	Optical rotation at 20°C:	+55° to +71°
Solubility in water:	Insoluble	Solubility in ethanol:	Soluble
Conservation:	Keep in tightly closed container in a cool and dry place, protected from light. Stable at usual storage and use conditions.		
Lifetime:	When stored for more than 12 months, quality should be checked before use.		
Main constituents:	d-limonene ($\leq 78\%$), beta-pinene ($\leq 17\%$), gamma-terpinene ($\leq 12\%$)		

4/ Other information

Allergens: d-limonene ($\leq 78\%$), citral: geranial + neral ($\leq 3\%$), linalool ($\leq 0.50\%$), geraniol ($\leq 0.10\%$), eugenol ($\leq 0.10\%$), citronellol ($\leq 0.05\%$)

Used acronyms:

INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
TSCA	Toxic Substances Control Act
EINECS	European Inventory of Existing Commercial Chemical Substances
FEMA	Federal Emergency Management Agency
FDA	Food and Drug Administration
CoE	Council of Europe