



# Ultra International B.V.

Essential Oils, Ingredients, F & F

## TECHNICAL DATA SHEET

Sr. No. : RM0013-V-02

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Item Code : RM0013

Date : 13/06/2014

Item Name : LEMON OIL SPANISH

Version : 02

CAS # 8008-56-8

FEMA # 2625

EINECS # 284-515-8

Botanical Name Citrus limon (L.)

Product Description Pale yellow to Deep yellow liquid with characteristic, fresh, citrus, lemon odour

Origin Obtained by cold expression of fresh fruit peel of lemon

### PHYSICO-CHEMICAL PROPERTIES :

Appearance Pale yellow to deep yellow

Physical Status LIQUID

Flash Point (Closed cup) °C 45°C

Refractive Index 1.470 - 1.476 @20°C

Relative Density 0.849 - 0.858 @20°C

Optical Rotation 57° to 70°

Solubility in Alcohol Soluble

Solubility in Water Insoluble

#### Main Components by GLC

Citral 1.0 - 3.0%

Limonene 60 - 70%

Beta-Pinene 10 - 16.5%

Gamma Terpinene 8.0 - 12.0%

Myrcene 0 - 10%

Geranyl Acetate: 0-2.5%

Citronellol: 0-1%

Terpinolene: 0-2.5%

Camphene: 0-2.5%

alpha Terpinene: 0-2.5%

Shelf Life 12 months or longer under proper storage conditions.

Legislation Natural

Stability Avoid strong acids strong bases and all oxidising agents.

Uses Food/Flavour, Fragrance application

### HANDLING PRECAUTION

Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing

### PACKING & STORAGE

Store at ambient temperature, dry and well-ventullated area, away from heat source and protected from light. Store in tightly sealed original containers, packed in Aluminium bottles, HDPE Food grade cans, MS Coated Drums or GI Drums. Keep air contact min

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