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Main Number
630-286-1500
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630-574-2001
FDA Reg #18528888534

Product Specification

Cold Pressed Lemon Oil

Description

A volatile oil obtained by expression, without the aid of heat, from the fresh peel of the fruit Citrus limon L. Burmann filius (family Rutaceae). This lemon oil is a pale or deep yellow or greenish yellow liquid having the characteristic odor and taste of the outer part of fresh lemon peel. It has been “winterized” to remove the major portion of the natural stearoptene waxes and is commonly referred to as clarified oil.

Chemical and Physical Specifications

Aldehydes (%) w/w – expressed as citral

Min

Max

Optical Rotation – 100 mm tube (25°)

2.2

3.8

Specific Gravity (25°C/25°C)

+57.0°

+65.0°

Refractive Index (20°C)

0.849

0.855

Ultraviolet Absorbance

1.473

1.476

Solubility (v/v)

0.20

One volume dissolves in three volumes of

alcohol, except for the naturally occurring insoluble waxes. Insoluble waxes are present in all FCC lemon oils. It is miscible with dehydrated alcohol and glacial acetic acid.

Standard of Identity

Food Chemicals Codex, Third Edition, 1981, pages 169-169

Monograph: “Lemon Oil, Coldpressed (Lemon Oil Expressed)”

Code of Federal Regulations, Volume 21 “Food and Drugs”

Chapter I – Food and Drug Administration

Part 182 - “Substances Generally Recognized as Safe”

(GRAS)

Subpart A – General Provision

Paragraph 182.000 – “Essential oils, oleoresins, (solvent –free), and natural extractives

(including distillates)

Ingredient Statement

Lemon Oil or natural flavor

Packaging

35 pound fill in an epoxy-lined metal can

385 pound fill in a closed-head tin lined drum

Storage Recommendations

Citrus oils deteriorate with exposure to air (oxidation), light and heat. Transfer oil from a larger, partially filled container to a smaller, well-filled container to reduce headspace to a minimum at all times. Temperature is a critical factor. If oil is stored at a low temperature, there is a natural tendency to “chill out” the remaining natural waxes (also called stearoptenes).

This product is best used within one year from the dated of purchase when stored at 45°F (7.2°C) to 65°F (18.3°C) in the unopened original container. Do not use if a terebinthine (turpentine) odor is present.