

Certificate of Analysis

Product: CITRUS LIMON PEEL OIL

Botanical Name: *Citrus limon (L.) Burman f.*

Country of Origin: Italy

PHYSICAL AND CHEMICAL PROPERTIES

TEST	RESULT	SPECIFICATION
Specific Gravity @ 20° C	0,852	0,845 - 0,858
Refractive Index @ 20° C	1,474	1,470 - 1,480
Optical Rotation @ 20° C	61,43°	55,00 - 70,00

GAS CHROMATOGRAPH ANALYSIS (TYPICAL)

CONSTITUENT	RESULT (%)	SPECIFICATION (%)
Pinene alpha	2,45	
Camphene	0,07	
Pinene beta	12,20	10,00 - 14,00
Sabinene	1,96	
Myrcene beta	1,59	
Terpinene alpha	0,22	
Limonene	66,00	62,00 - 68,00
Phellandrene beta	0,06	
Ocimene beta cis	0,06	
Terpinene gamma	9,07	7,00 - 12,00
Paracymene	0,25	
Terpinolene	0,36	
Citronellal	0,08	
Linalol	0,10	
Caryophyllene beta	0,20	
Terpineol alpha	0,18	
Geranial & Neral	2,90	
Bisabolene Beta	0,44	
Geranyl acetate	0,39	