

MATERIAL SAFETY DATA SHEET

10-Dec-16

1.PRODUCT IDENTIFICATION

1.1	Product Name	Lemon Oil
1.2	Botanical Name	Citrus limonum
1.3	Country of Origin	Japan
1.4	Extraction method	Steam Distillation
1.5	Product Type	Natural essential oil
1.6	Uses	Aromatherapy fragrance and flavour product
1.7	Hazchem Code	Citrus limonum
1.8	INCI Name	Lemon Peel Oil
1.9	Creation Date	Dec-16

2.PHYSICAL & ANALYTICAL DATA

2.1	Appearance	Clear liquid
2.2	Odour	characteristic Citrus Fragrance
2.3	Specific Gravity	0.851(20°C)
2.4	Refractive Index	74.1° (20°C)

3.COUSTITUENT ASSAY

COUSTITUENT	RESULT	CAS Number
.alpha.-Thujene	0.35%	2867-05-2
.alpha.-Pinene	1.64%	80-56-8
Sabinene	1.66%	3387-41-5
.beta.-Pinene	10.68%	127-91-3
.beta.-Myrcene	1.41%	123-35-3
(+)-4-Carene	0.24%	5208-49-1.
.beta.-Cymene	0.28%	535-77-3
D-Limonene	68.10%	5989-27-5
.gamma.-Terpinene	9.88%	99-85-4
Terpinolene	0.40%	5208-49-1
Linalool	0.22%	126-90-9
(-)-4-Terpineol	0.30%	10482-56-1
.alpha.-Terpieol	0.46%	98-55-5
cis-Geraniol	0.33%	9007-92-5
Citral	1.40%	141-27-1
trans-Citral	1.92%	5392-40-5
Geraniol acetate	0.33%	105-87-3
.alpha.-Bergamotene	0.17%	17699-05-7
.beta.-Bisabolene	0.24%	495-61-4

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