

## Certificate of Analysis

Product: May Chang Oil  
Botanical Name: *Litsea cubeba* Persoon  
Country of Origin: China

### PHYSICAL AND CHEMICAL PROPERTIES

TEST	RESULT	SPECIFICATION
Specific Gravity @ 20° C	0,888	0,878 - 0,892
Refractive Index @ 20° C	1,485	1,480 - 1,495
Optical Rotation @ 20° C	9,36	3° - 12°

### GAS CHROMATOGRAPH ANALYSIS (TYPICAL)

CONSTITUENT	RESULT (%)	SPECIFICATION (%)
α pinene	1,30	
camphene	0,28	
β pinene	0,97	
sabinene	1,17	
myrcene	0,72	
limonene	12,58	8,00 - 15,00
cineol 1-8	1,15	
γ terpinene	0,07	
trans β ocimene	0,08	
methylheptenone	1,04	
citronellal	1,01	<= 4,00
α copaene	0,10	
linalol	2,20	
cis isocitral		
trans isocitral	0,98	
terpinen-4-ol	0,48	
β caryophyllene	1,08	
neral	30,66	62,00 - 80,00
geranial	40,11	
α terpineol	0,11	
bicyclogermecrene	0,16	
geranyl acetate	0,15	
nerol	0,55	
geraniol	0,97	
caryophyllene oxyde	0,14	
acide geranique	0,48	