

## Certificate of Analysis

Product: Orange Sweet Oil – BIO  
Botanical Name: *Citrus sinensis (L.) Persoon (CH.)*  
Country of Origin: Mexico

### PHYSICAL AND CHEMICAL PROPERTIES

TEST	RESULT	SPECIFICATION
Specific Gravity @ 20° C	0.845	0.842 - 0.850
Refractive Index @ 20° C	1.472	1.470 - 1.476
Optical Rotation @ 20° C	+99°	94° - 99°

### GAS CHROMATOGRAPH ANALYSIS (TYPICAL)

CONSTITUENT	RESULT (%)	SPECIFICATION (%)
$\alpha$ pinene	0.51	
$\beta$ pinene	0.02	
sabinene	0.23	
$\delta^3$ carene	0.07	
myrcene	1.79	$\leq 5.00$
$\alpha$ phellandrene + octanal	0.27	
limonene	96.01	89.00 – 97.00
trans $\beta$ ocimene	0.01	
terpinolene	0.01	
nonanal	0.04	
citronellal	0.04	
decanal	0.20	
$\alpha$ copaene	0.03	
$\alpha$ terpineol	0.03	
linalol	0.30	
$\beta$ caryophyllene	0.02	
neral	0.04	
valencene	0.03	
geranial	0.07	
cadinene	0.02	
$\beta$ sinensal	0.03	
$\alpha$ sinenesal	0.02	