



# BEHALE

'be strong & healthy'

## CERTIFICATE OF ANALYSIS

PRODUCT NAME	TEA TREE ORGANIC OIL
LATIN NAME	<i>Melaleuca alternifolia</i>
CAS NO	85085-48-9 / 8022-72-8 / 68647-73-4
BATCH NUMBER	TEAO1216EA
COUNTRY OF ORIGIN	SOUTH AFRICA
PART OF PLANT USED	LEAVES (STEAM DISTILLED)

ANALYTICAL DETAILS	SPECIFICATIONS	RESULT
COLOUR	CLEAR COLOURLESS TO PALE YELLOW	COMPLIES
ODOUR	HERBECOUS AROMA	COMPLIES
PHYSICAL STATE	LIQUID OIL	COMPLIES
REFRACTIVE INDEX (20°C)	1.476 - 1.481	1.4766
RELATIVE DENSITY (20°C)	0.890 - 0.905	0.8979
OPTICAL ROTATION	6° - 10°	9.65°

Major constituent listing:		Specifications
Name of Constituent:	Percentage	Percentage
ALPHA THUJENE	0.713	0 - 1.7
ALPHA PINENE	2.059	1 - 6
SABINENE	0.179	0.005 - 3.5
BETA PINENE	0.645	0.01 - 0.8
MYRCENE	0.895	0.7 - 1.6
ALPHA TERPINENE	9.325	5 - 13
PARA CYMENE	2.584	0.5 - 8
LIMONENE	1.416	0.5 - 4
BETA PHELLANDRENE	0.561	0 - 1
1.8 CINEOLE	4.625	0 - 5
GAMMA TERPINENE	20.856	17 - 20
TERPINOLENE	3.350	1.5 - 8
TERPINENE-4-OL	45.148	30-48
ALPHA TERPINEOL	3.155	1.3 - 8
AROMADENDRENE	0.391	1- 1.5
METHYL EUGENOL	0.319	0.04 - 0.09
DELTA CADINENE	0.425	1- 1.5
GLOBULOL	0.284	0.03 - 3
VIRIDIFLOROL	0.243	0.05 - 1.5

STORAGE CONDITIONS	STORE IN A COOL DARK PLACE
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EXPIRY DATE	12/2021
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JESSICA LUTGE  
LAB MANAGER

05/20/18

✉ office@behaleorganics.com

🌐 www.behaleorganics.com

📍 6970 Business Park Blvd., Unit 9  
Jacksonville, FL 32256

📞 +1(904) 619 1050