

CERTIFICATE OF ANALYSIS

1) GENERAL INFORMATION

Name: Tea Tree Oil
Batch No: K230230121
Botanical Name: Melaleuca alternifolia
INCI Name: Melaleuca alternifolia Leaf Oil
Producing Date: 2.03.2023
Expiry Date: 2.03.2028

2) PHYSICAL PROPERTIES

Appearance: Liquid
Color: Colorless to pale yellow
Odour: Powerfull, fresh
Relative density @ 25 °C 860 to 0.920
Refractive index a@25 °C 1.470 to 1.485
Optical rotation @25°C: n/a
Flash point > 60 °C

3) CHROMATOGRAPHIC VALUES OF THE VOLATILE COMPONENTS OF THE OIL (in %)

Components	%
alpha pinene	3,64
beta pinene	1,18
beta myrcene	1,01
alpha phellandrene	0,42
alpha terpinene	10,43
dl-limonene	1,10
beta phellandrene	0,82
1,8-cineole	3,83
gamma terpinene	21,32
paracymenene	1,74
alpha terpinolene	3,57
alpha gurjunene	0,45
trans sabinene hydrate	0,34
terpinen 4-ol	38,76
trans caryophyllene	0,41
viridiflorol	0,40
aromadendrene	0,96
alpha selinene	0,11
alpha cubebene	0,43
beta cadinene	0,38

Components	%
alpha terpineol	2,86
leden	0,89
bicyclogermacrene	0,46
delta cadinene	1,04
delta selinene	0,22
guaiol	0,16
globulol	0,38
veridiflorol	0,19
rosifoliol	0,17
Totally	97,67