

CERTIFICATE OF ANALYSIS

1) GENERAL INFORMATION

Name: NIAOULI OIL
Batch No: K231060210
Botanical Name: Melaleuca quinquenervia
INCI Name: Melaleuca quinquenervia Leaf Oil
Producing Date: 1.08.2023
Expiry Date: 1.08.2028

2) PHYSICAL PROPERTIES

Appearance: Liquid
Color: Colorless to pale yellow
Odour: Strong, medicinal, cineolic aroma
Relative density @ 25 °C: 0.900 to 0.950
Refractive index a@25 °C: 1.450 to 1.500
Optical rotation @25°C: n/a
Flash point: > 48 °C

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

Components	%
alpha pinene	8,61
beta pinene	2,16
beta myrcene	0,91
alpha terpinene	0,35
dl-limonene	7,31
1,8-cineole	56,30
gamma terpinene	1,55
paracymenene	1,27
alpha terpinolene	0,79
terpinen 4-ol	0,71
trans caryophyllene	1,57
alpha humulene	0,32
alpha terpineol	6,29
alpha terpinyl acetate	1,18
leden	1,14
nerolidol	0,56
ledol	0,66
veridiflorol	4,49
Totally	96,17