

CERTIFICATE OF ANALYSIS

PRODUCT NAME: ROSEMARY CT CINEOLE OIL

BOTANICAL NAME: *Rosmarinus officinalis*

COUNTRY OF ORIGIN: SPAIN

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	ALMOST COLOURLESS TO PALE YELLOW	ALMOST COLOURLESS
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	CHARACTERISTIC	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.895 to 0.920	0.910
OPTICAL ROTATION @ 20°C	-8.0° to +8.0°	+1.7°
REFRACTIVE INDEX @ 20°C	1.459 to 1.479	1.467
CHROMATOGRAPHIC PROFILE		
A-PINENE (%)	8 to 18	12
CAMPHENE (%)	2 to 10	4
LIMONENE (%)	Trace to 8	3
1,8-CINEOLE (%)	30 to 60	45
CAMPHOR (%)	5 to 15	10
BORNEOL (%)	Trace to 6	3