

# CERTIFICATE OF ANALYSIS

PRODUCT NAME: ROSEMARY CT CAMPHOR OIL (SPAIN)

COUNTRY OF ORIGIN: SPAIN

BOTANICAL NAME: *Rosmarinus officinalis*

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO PALE YELLOW	PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	FINE, DELICATE, FRESH-HERBACEOUS TOP NOTE, BALSAMIC WOODY DRY OUT	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.895 to 0.920	0.902
OPTICAL ROTATION @ 20°C	-5.0° to +8.0°	+2.7°
REFRACTIVE INDEX @ 20°C	1.464 to 1.473	1.470
CHROMATOGRAPHIC PROFILE		
A-PINENE (%)	15.0 to 35.0	24.0
CAMPHENE (%)	5.0 to 15.0	8.9
P-CYMENE (%)	Trace to 5.0	1.7
1,8-CINEOLE (%)	10.0 to 35.0	20.3
CAMPHOR (%)	10.0 to 35.0	19.2
BETA-CARYOPHYLLENE (%)	Trace to 5.0	1.8
SAFROLE (%)	Max 0.01	<0.01