

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CEDARWOOD VIRGINIAN OIL (USA)

COUNTRY OF ORIGIN: USA

BOTANICAL NAME: *Juniperus virginiana*

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO GOLDEN YELLOW-BROWN	PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	CHARACTERISTIC FRESH, RICH, WOODY	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.934 to 0.968	0.949
OPTICAL ROTATION @ 20°C	-60° to -18°	-32°
REFRACTIVE INDEX @ 20°C	1.495 to 1.510	1.505
CHROMATOGRAPHIC PROFILE		
ALPHA-CEDRENE (%)	Min 20	30
BETA-CEDRENE (%)	Trace to 15	8
CIS-THUJOPSENE (%)	Min 10	21
CEDROL (%)	Min 14	18