

CERTIFICATE OF ANALYSIS

PRODUCT NAME: JUNIPERBERRY OIL

BOTANICAL NAME: *Juniperus communis*

COUNTRY OF ORIGIN: INDIA

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO YELLOW-BROWN	VERY PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	FRESH, WARM, RICH, BALSAMIC, WOODY-SWEET, PINE-NEEDLE LIKE	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.826 to 0.885	0.856
OPTICAL ROTATION @ 20°C	-30° to +50°	+1°
REFRACTIVE INDEX @ 20°C	1.470 to 1.484	1.471
CHROMATOGRAPHIC PROFILE		
ALPHA-PINENE (%)	30 to 60	53
SABINENE (%)	Trace to 10	2
MYRCENE (%)	Trace to 20	9
LIMONENE, BETA-PHELLANDRENE (%)	5 to 35	18