

CERTIFICATE OF ANALYSIS

PRODUCT NAME: JUNIPERBERRY OIL (INDIA)

COUNTRY OF ORIGIN: INDIA

BOTANICAL NAME: *Juniperus communis*

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO YELLOW-BROWN	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	0.868
OPTICAL ROTATION @ 20°C	-30° to +50°	+46°
REFRACTIVE INDEX @ 20°C	1.470 to 1.484	1.473
CHROMATOGRAPHIC PROFILE		
ALPHA-PINENE (%)	30 to 60	60
SABINENE (%)	Trace to 10	0.4
MYRCENE (%)	Trace to 20	3
LIMONENE, BETA-PHELLANDRENE (%)	5 to 35	25