

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CARAWAY OIL
BOTANICAL NAME: *Carum carvi*
COUNTRY OF ORIGIN: HUNGARY

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO YELLOW	PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	STRONG, PECULIAR, CHARACTERISTIC WITH FATTY UNDERTONE	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.900 to 0.920	0.911
OPTICAL ROTATION @ 20°C	+70° to +80°	+76°
REFRACTIVE INDEX @ 20°C	1.484 to 1.494	1.488
CHROMATOGRAPHIC PROFILE		
BETA-MYRCENE (%)	0.1 to 1.0	0.2
LIMONENE (%)	30.0 to 45.0	44.2
TRANS-DIHYDROCARVONE (%)	Max 2.5	0.1
CARVONE (%)	50.0 to 65.0	54.4
TRANS-CARVEOL (%)	Max 2.5	NOT DETECTED