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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: BLACK PEPPER, ESSENTIAL OIL**

**LOT NUMBER: LOT0005292**

**PRODUCT INCI: PIPER NIGRUM FRUIT OIL**

**PRODUCT CODE: K0066**

**CAS NUMBER: 84929-41-9**

**EINECS NUMBER: 284-524-7**

**MANUFACTURING METHOD: STEAM DISTILLATION**

**MANUFACTURING DATE: 14/01/2020**

**BEST BEFORE DATE: 14/01/2023**

ANALYTICAL DETAILS		RANGE	RESULTS
APPEARANCE		LIQUID	-
COLOUR		CLEAR PALE GREEN - YELLOW - BLUE	-
ODOUR		CHARACTERISTIC, WARM & SPICY	-
SPECIFIC GRAVITY @ 20°C		0.860 – 0.907	0.8814
REFRACTIVE INDEX @ 20°C		1.474 – 1.492	1.4847
OPTICAL ROTATION (°C)		-23.0 TO -4.0	-14.52
FLASH POINT (°C)		46.0 – 50.0	-

### STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT