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## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: LOT0004420**

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: 03/10/2019

BEST BEFORE DATE: 03/10/2022

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