LAB ANALYSIS REPORT (COA)

PRODUCT NAME	Spruce Essential Oil	
SOURCE	Canada	
CAS NO	8021-29-2	
SCIENTIFIC NAME	PICEA MARIANA	
PLANT PARTS USED	Needles & twigs	
METHOD OF EXTRACTION	Steam distillation method	
COLOR	Pale yellow	
APPEARANCE	Liquid	
ODOR	Characteristic odor	
PHYSIO – CHEMICAL PROPERTIES		
REFRACTIVE INDEX	1.458 – 1.498	1.480
OPTICAL ROTATION	5° – 16°	12.0°
PEROXIDE VALUE	Max 8.0mmol/Kg	3.47 mmol/kg
STABLITY PROPERTIES		
SHELF LIFE	3 year or longer if stored properly	
STORAGE CONDITIONS	Store in cool & dry place in airtight containers	
SOLUBILITY	Insoluble in water & soluble in oils	
REPORT PREPARED BY:	J. Szyperski	
REPORT CHECKED BY:	F. Wacke	
FOR:	J&F Investing Sp. z o.o. - Essentiqa	

Since it is an herbal product there is likely to be minor color variation from batch to batch because of the seasonal variations of the raw materials. Color change will not affect the quality and efficiency of the product.

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