

	RAW MATERIAL SPECIFICATIONS Douglas Fir Pine Essential Oil	RMSPM-1
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GENERAL INFORMATION			
Product	Douglas Fir Pine Essential Oil	Production process	Steam distillation
INCI Name	Pseudotsuga menziesii Essential oil	Producer	Hierbas Patagónicas SRL
Cas number	97926-19-7	Shelf life	4 years
EINECS/ELINCS Number	308-234-8	Storage	Plastic bottles

ORGANOLEPTIC CHARACTERISTICS	
Assays	Specifications
Appearance	Clear mobile liquid
Color	Colourless to pale green
Odor	Strong resinous, citrus

PHYSICOCHEMICAL CHARACTERISTICS		
Assays	Specifications	
	Min	Max
Relative Density (at 20°C)	0.8500	0.8690
Refraction Index (at 20°C)	1.4700	1.4900
Rotational Power (at 20°C)	-25°	-20°
Flash point (°C)	-	-

BIOCHEMICAL CHARACTERISTICS		
Chromatographic peaks	Specifications (%)	
	Min	Max
Beta-pinene	20	40
Sabinene	8	22
Alpha-pinene	8	20
Terpinolene	6	20
Delta-3-carene	3	14
Gamma-terpinene	2	7

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