

QUALITY CERTIFICATE

Product name: PINE SYILVESTRIS OIL
Quality: Ph.Eur.11.0.
Package: 10 g
Lot No.: GF5756183
Manufacturing date: 06.2023.
Expiry date: 25.06.2026. (DMY)
Anal. No.: 15812H56183

	REQUIRED	MEASURED
Appearance:	colourless or slightly yellow, clear liquid	enyhén sárga, tiszta folyadék
Identity	identical	identical
Density (d ₂₀ ²⁰)	0,855-0,875	0,868
Refractive index (n _D ²⁰)	1,465-1,480	1,472
[α] _D ²⁰	(-9°)-(-30°)	-12,6
Acid value	max.1,0	0,47
Peroxide value	max.20	8,8
Fatty oils and resinified essential oils	passes test	passes test
Chromatographic profile (GC)	passes test	passes test
alfa-Pinene	32,0-60,0 %	35,5 %
Camphene	0,5-2,0 %	1,0 %
beta-Pinene	5,0-22,0 %	20,2 %
car-3-ene	6,0-18,0 %	15,7 %
beta-Myrcene	1,5-10,0 %	2,2 %
limonene	7,0-12,0 %	10,3 %
beta-Phellandrene	max.2,5 %	0,8 %
p-Cymene	max.2,0 %	0,4 %
Terpinolene	max.4,0 %	3,0 %
beta-Caryophyllene	1,0-6,0 %	4,8 %
Bornil acetate	1,0-4,0 %	3,0 %

The Product complies with the requirements of Ph.Eur.11.0.

Kiállítva: Halásztelek, 2023.08.25.



Nagy Balázs

minőségbiztosítási vezető

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