



NHR ORGANIC OILS  
24 CHATHAM PLACE, BRIGHTON, BN1 3TN, UK  
+44 (0)1273 746505 [info@nhrorganicoils.com](mailto:info@nhrorganicoils.com) [www.nhrorganicoils.com](http://www.nhrorganicoils.com)

*Certificate of Analysis Sheet*  
**Organic Scotch Pine Needle Essential Oil**  
*(Pinus sylvestris)*

Batch number: **271022-4** Country of Origin: Bosnia & Herzegovina

CAS No: 84012-35-1 Einecs No: 281-679-2

INCI Name: *Pinus sylvestris* leaf extract

Test	Specification	Result
Appearance	Mobile liquid	Complies
Colour	Water white to light yellow	Complies
Odour	Strong balsamic aroma	Complies
Specific Gravity at 20°C	0.855 – 0.875	≈ 0.865
Refractive Index at 20°C	1.465 – 1.48	≈ 1.47
Optical Rotation at 20°C (degrees)	-40° to -9°	-18.6°
<b>GC Peaks</b>		<b>%</b>
Bornil acetate		1
δ – Cadinene		1.2
γ – Cadinene		0.5
Camphene		3.2
β – Caryophyllene		1.8
Germacrene D		1.2
Limonene		3
Myrcene		4.9
Trans-β – Ocimene		0.9
β – Phellandrene		1
α – Pinene		42
β – Pinene		33
α – Terpineol		0.5

Essential oil obtained by steam distillation of the freshly pruned small branches of *Pinus sylvestris*.

*Storage: Keep tightly closed, in a cool dry place away from heat, sunlight and moisture.*

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour, or consistency. However, we ensure that this does not affect the quality and efficiency of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.