

**Natural Ingredients Australia**  
(JASAPH Pty Ltd) ABN 84 121 241 272  
**2 Wingrove Street**  
**Alphington**  
**Victoria 3078**  
**Melbourne, AUSTRALIA**



**Telephone: 1300 795 332**  
**admin@naturalingredientsaus.com**  
**www.naturalingredientsaus.com**

## Certificate of Analysis

<b>Product Name:</b>	<b>Pine (Needle) Essential Oil</b>
<b>Batch:</b>	<b>NPINE0118</b>
<b>Botanical Name:</b>	<i>Pinus sylvestris</i>
<b>Origin:</b>	Hungary
<b>Manufacture Date:</b>	January 2018

### Typical Analysis

<b>Appearance:</b>	Clear, colourless to pale yellow liquid	Conforms
<b>Odour:</b>	Characteristic pine aroma	Conforms
<b>Specific Gravity:</b>	0.860 to 0.960 @ 25°C	0.929
<b>Refractive Index:</b>	1.4700 to 1.4900 @ 25°C	1.4808

### Typical GC Analysis

<b>a-pinene</b>	<b>25 – 50%</b>
<b>delta-3-carene</b>	<b>10 – 20%</b>
<b>camphene</b>	<b>3 – 7%</b>
<b>d-limonene</b>	<b>5 – 8%</b>

Retest Date	September 2021
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