



# Summary of GC-MS data

We show the data above 0.9 percent from the analysis that is undertaken by a third party for us.

Species: Douglas fir  
Scientific name: *Pseudotsuga menziesii*  
Location: Otago, New Zealand.

The following are the results from the testing.

Chemical Name	Percent
<b>b-PINENE</b>	<b>29.43</b>
<b>3-Carene</b>	<b>10.97</b>
<b>Sabinene</b>	<b>10.77</b>
<b>a-Pinene</b>	<b>9.76</b>
<b>Terpinolene</b>	<b>9.02</b>
<b>Geranyl acetate</b>	<b>5.75</b>
<b>Citronellyl acetate</b>	<b>5.68</b>
<b>Limonene</b>	<b>2.82</b>
<b>Myrcene</b>	<b>2.54</b>
<b>Citronellol</b>	<b>2.33</b>
<b>Phellandrene</b>	<b>1.74</b>
<b>Terpinene</b>	<b>1.16</b>
<b>Citronellal</b>	<b>1.13</b>
<b>Terpinen-4-ol</b>	<b>1.03</b>

This oil is very sweet smelling due to the way Douglas fir grows in New Zealand. There are next to no pests for it here and the young seedlings are green and sweet smelling. The plantations are spreading due to no threat to the trees and they are regenerating in many parts of New Zealand creating a major threat to New Zealand's native ecosystem.



This oil is wonderful in a diffuser due to the sweet pine smell. Other usages A good Aromatherapist can advise.

Estate Aromatics, Otago New Zealand