

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

Product	Black Pepper Oil
Botanical Name	<i>Piper nigrum</i>
Batch	18804
Origin	Sri Lanka
Plant Part	Fruit
Extraction	Steam Distilled

Physical Data	Specification	Result
Appearance	Transparent Liquid	Complies
Colour	Colourless to pale bluish green	Complies
Odour	Characteristic, fresh	Complies
Optical Rotation	-20.0 ° to +4.0 °	-19.60°
Specific Gravity @ 20°C	0.860 – 0.910	0.8663
Refractive Index @ 20°C	1.470 – 1.490	1.4756

Chromatographic Data

Constituent	Result %	Specification
α-pinene	15.40	8.0 to 20.0
β-pinene	11.86	10.0 to 15.0
Sabinene	14.89	5.0 to 15.0
α-phellandrene	6.58	1.0 to 10.0
Limonene	15.91	10.0 to 20.0
β-caryophyllene	17.77	10.0 to 25.0

Retest Date

August 2021