

Certificate of Analysis

Analysed essential oil : Wintergreen

Analysis date : August, 9th 2013

Batch : 220DB303

Shelf life : September 2016

❖ General description

Essential oil	Wintergreen	Origin	Nepal
Latin name	<i>Gaultheria fragrantissima</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Pinky orange
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	1.167	1.150	<	d	<	1.200
Refractive index	1.5319	1.5000	<	RI	<	1.5500
Optical rotation	+0.30°	-0.5°	<	$[\alpha]^{20}_D$	<	+0.35°

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

Column : Elite - 1, 30 m, Ø 0.25 mm, 0.25 µm df

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : non-polar column

Date : 2014-01-30

Software Version : 6.2.0.0.0:B27
Sample Name : Wintergreen
Instrument Name : CLARUS 500
Rack/Vial : 0/8
Sample Amount : 1.000000
Cycle : 8

Date : 09/08/2013 08:26:12
Data Acquisition Time : 09/08/2013 04:54:53
Channel : A
Operator : Davenne
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2013\130808.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		15.30	0.06
2		16.89	0.08
3	methyl salicylate	20.75	99.71
4		24.03	0.08
5		30.58	0.08
			100.00

Chromatogram

Sample Name : Wintergreen Sample #: 220DB303 Page 1 of 1
FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Wintergreen\2013\wintergreen 130808.raw
Date : 09/08/2013 08:26:15 Time of Injection: 09/08/2013 04:54:53
Method : wintergreen.mth
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.24 mV High Point : 993.88 mV
Plot Offset: -47.24 mV Plot Scale: 1041.1 mV

