



## GC/MS BATCH NUMBER: T10100

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**ESSENTIAL OIL:** TANGERINE  
**BOTANICAL NAME:** CITRUS RETICULATA  
**ORIGIN:** BRAZIL

KEY CONSTITUENTS PRESENT IN THIS BATCH OF TANGERINE OIL	%
LIMONENE	93.2
MYRCENE	2.5
γ-TERPINENE	1.4
α-PINENE	0.7
LINALOOL	0.4
DECANAL	0.3
OCTANAL	0.3

Comments from Robert Tisserand: A fresh, true odor profile with constituents in expected amounts.

Sample Information

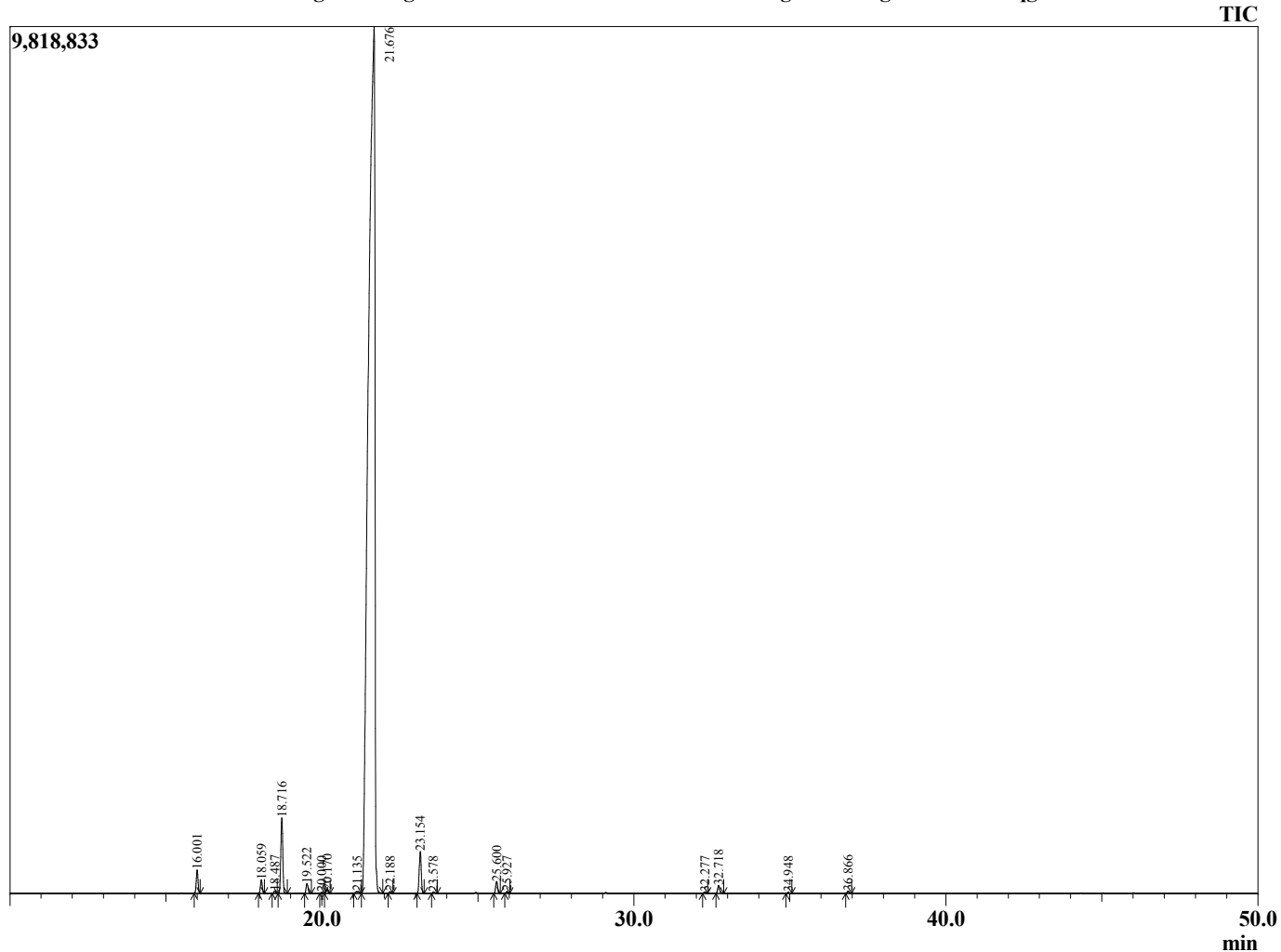
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 1/25/2015 4:24:33 PM  
 Sample Type : Essential Oil  
 Sample Name : Tangerine  
 Sample ID : 141022  
 Injection Volume : 0.20  
 Data File : C:\GCMSsolution\Data\EOU\Tangerine\Tangerine 141022.qgd



Peak Report TIC

R.Time	Name	Area%
16.001	Pinene <alpha>	0.73
18.059	Sabinene	0.43
18.487	Pinene <beta->	0.08
18.716	Myrcene	2.47
19.522	Octanal	0.33
20.000	Phellandrene <alpha->	0.04
20.170	3-Carene	0.12
21.135	Cymene <para->	0.12
21.676	Limonene	93.24
22.188	Ocimene <Z-beta>	0.05
23.154	Terpinene <gamma>	1.43
23.578	Octanol	0.06
25.600	Linalool	0.40
25.927	Nonanal	0.06
32.277	Terpineol <alpha>	0.04
32.718	Decanal	0.29
34.948	Neral	0.04
36.866	Geranial	0.07
		100.00

Chromatogram Tangerine C:\GCMSsolution\Data\EOU\Tangerine\Tangerine 141022.qgd



Comments:

Typical Ranges of Main Components: