



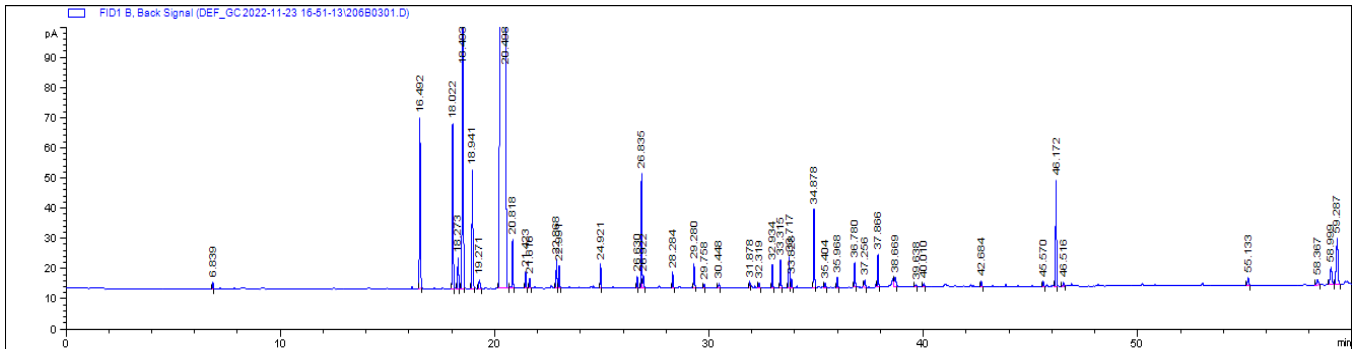
Scatters Oils (Pty) Ltd

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## GC ANALYSIS

PRODUCT NAME	GRAPEFRUIT WHITE ESSENTIAL OIL
LATIN NAME	<i>Citrus Paradisi</i>
CAS NO	8016-20-4
PRODUCT CODE	PTGRAWH01
BATCH NUMBER	GFM280922OND82253
EXPIRY DATE	09/2024
COUNTRY OF ORIGIN	SOUTH AFRICA
PART OF PLANT USED	FRUIT/PEEL (COLD PRESSED)

ANALYTICAL DETAILS	SPECIFICATIONS	RESULTS
COLOUR	CLEAR GREENISH YELLOW	COMPLIES
ODOUR	CHARACTERISTIC AROMA	COMPLIES
PHYSICAL STATE	LIQUID	COMPLIES
REFRACTIVE INDEX (20°C)	1.475 - 1.4780	1.4765
RELATIVE DENSITY (20°C)	0.848 - 0.856	0.8556
OPTICAL ROTATION	+91 <sup>0</sup> - +96 <sup>0</sup>	+94.68 <sup>0</sup>



MAJOR CONSTITUENT LISTING		RESULTS
RETENTION TIME (MIN)	NAME OF CONSTITUENT	% COMPOSITION
16.492	ALPHA PINENE	0.519
18.022	SABINENE	0.494
18.273	BETA PINENE	0.097
18.493	MYRCENE	1.857
18.941	OCTANAL	0.361
19.271	ALPHA PHELLANDRENE	0.032
20.498	LIMONENE	94.099
21.423	GAMMA TERPINENE	0.043
21.616	OCTANOL	0.026
22.868	LINALOOL	0.078
22.991	NONANOL	0.061
26.630	ALPHA TERPINEOL	0.033
26.835	DECANAL	0.310
28.284	NERAL	0.044
-	GERANIOL	-
29.280	GERANIAL	0.069
34.878	BETA CARYOPHYLLENE	0.232
42.684	BETA SINENSAL	0.016
46.172	NOOTKATONE	0.312

This information is believed to be current and accurate but is provided without any warranty expressed or implied. Customers are advised to determine in advance the safe conditions for use of this product.

Pure Essential Oils | Carrier oils | Butters | Fragrances | Absolutes | Hydrosols

FDA APPROVED

ZA-BIO-141

ORGANICALLY CERTIFIED