

Certificate fo Analysis

PRODUCT DETAILS

Product Name	MANDARIN GREEN
Product Code	OEMANDGREE
Country of Origin	Italy
Batch/Lot Number	4336309
Best Before End	September 2021
Identification	CAS No: 94266-47-4

ANALYSIS DATA (physical, chemical, GC & HPLC)

PHYSICAL & CHEMICAL	value	range	measuring instrument
appearance	liquid	liquid	sensorial
colour	dark green	greenish to dark green	sensorial
odour	APS	-	sensorial
relative density	d_4^{20} 0.8446	0.8390÷0.8490	Anton Paar DMA 4500
optical rotation	α_D^{20} +89.70°	+87.00°÷+97.00°	Optical Activlty POLAAR 20
refractive index	n_D^{20} 1.4731	1.4690÷1.4790	Anton Paar RXA 170
peroxides	10 mmol/l	≤20 mmol/l	cdR FOODLAB
GC	value	range	measuring instrument
pinenes ($\alpha+\beta$)	1.85%	≤4.00%	PerkinElmer Instruments: Gas Chromatograph "Clarus 680"
myrcene	1.70%	≤3.00%	
limonene	87.45%	82.00%÷92.00%	
γ -terpinene	7.60%	5.00%÷9.00%	
linalool	0.15%	≤0.40%	
citronelloi	<0.01%	≤0.03%	
citral	<0.01%	≤0.10%	
geraniol	<0.01%	≤0.05%	
dimethylantranilate	0.15%	≤0.30%	

STORAGE AND SHELF LIFE

Storage Store in tightly closed container with minimum headspace in a cool, dark and dry place.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.