

Certificate of Analysis

PRODUCT DETAILS					
Product Name	PATCHOULI OIL				
Product Code	OEPATC				
INCI Name	Pogostemon cablin				
Batch Number	4341303				
Best Before End	November 2021				
Manufacturing Process	Obtained by steam distillation from leaf/twig of Pogostemon cablin.				
Identification	CAS No: 84238-39-1	EINECS No: 282-493-4			
	FEMA No: 2838	Alternative Cas:8014-09-3			
PHYSICAL AND CHEMICAL CHARACTERISTIC					
	SPECIFICATION RANGE		RESULTS		
Appearance	Liquid		Conforms		
Colour	Brown to Dark Brown		Conforms		
Odour	Characteristic		Conforms		
Relative Density @ 20°C	0.950 - 0.975		0.972		
Refractive Index @ 20°C	1.505 - 1.515		1.51		
Solubility in water	Insoluble in water. 1:9 in 90% alcohol		Conforms		
Optical Rotation	-48 to -65		-48		
Flash Point	>93°C		Conforms		
MAIN CONSTITUENTS					
CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS
Patchouli Alcohol 30-60%	30.42%	Alpha Guaiene 10-30%	N/A	B Caryophyllene 1-5%	N/A
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.