

## CERTIFICATE OF ANALYSIS

### PRODUCT IDENTIFICATION

PRODUCT NAME: Tamanu  
 BOTANICAL NAME: Calophyllum inophyllum  
 SYNONYM(S):

INCI NAME: Calophyllum inophyllum seed oil  
 CAS TSCA: 68956-68-3      HS CODE:  
 CAS EINECS:      EINECS:  
 FEMA:      COE:  
 COUNTRY OF ORIGIN: Madagascar      FDA CODE: N/A  
 PRODUCTION TYPE: Certified Organic  
 PRODUCTION METHOD: Cold pressed  
 PART DISTILLED: Seeds  
 LOT NUMBER: HVB225467MG30821A  
 PRODUCTION DATE: 2019/08  
 EXPIRATION DATE: 2024/08

### COMPANY IDENTIFICATION

COMPANY: ZAYAT AROMA INC.  
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Certified organic by Ecocert Canada



PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Thick liquid</i>	<i>Complies</i>
ODOR	<i>Rich, Spicy, Nutty</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.807 - 1.020</i>	<i>0.954</i>
OPTICAL ROTATION:	<i>N/A</i>	<i>NA</i>
REFRACTIVE INDEX:	<i>1.470 - 1.590</i>	<i>1.484</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

### DISCLAIMER

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Tamanu  
Calophyllum inophyllum

LOT: MG30821A

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% TOTAL: 99.99	COMPONENTS
0.20	<i>Cinnamic acid</i>
0.16	<i>Nonadioic acid</i>
13.38	<i>Palmitic acid C16:0</i>
0.19	<i>z-Palmitoléic acid c16:1 7</i>
0.13	<i>Margaric acid c17:0</i>
0.03	<i>8-Heptadecenoic acid</i>
15.80	<i>Stéaric acid c18:0</i>
37.46	<i>Oléic acid c18:2 6</i>
0.61	<i>Cis-vaccénic acid C18:3 3</i>
30.45	<i>Linoléic acid C18:2 6</i>
0.10	<i>Linoléic acid isomer</i>
0.08	<i>Alpha-linolénic acid C18:3 3</i>
0.21	<i>Gamma-linolenic acid C18:3</i>
0.76	<i>Arachidic acid C20:0</i>
0.22	<i>Gadoleic acid C20:1</i>
0.21	<i>Behenic acid C22:0</i>

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