

**CERTIFICATE OF ANALYSIS**

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Goldenrod	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Solidago canadensis	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):		TELEPHONE:	1.855.534.1671
		FAX:	1.855.553.6010
		WEB:	WWW.ZAYATAROMA.COM
		E-MAIL:	INFO@ZAYATAROMA.COM
INCI NAME:	Solidago canadensis		
CAS TSCA:	96690-40-3	HS CODE:	3301.29
CAS EINECS:	N/A	EINECS:	N/A
FEMA:	N/A	COE:	N/A
COUNTRY OF ORIGIN:	Canada	FDA CODE:	N/A
PRODUCTION TYPE:	Organic		
PRODUCTION METHOD:	Steam distilled		
PART DISTILLED:	Flowers		
LOT NUMBER:	EAB765227CA63718E		
PRODUCTION DATE:	June 2018		
EXPIRATION DATE:	June 2020		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Yellow to colorless liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.869 - 0.904 @ 20°C</i>	
OPTICAL ROTATION:	<i>'-50.0 - -15.0 @ 20°C</i>	
REFRACTIVE INDEX:	<i>1.485- 1.495 @ 20°C</i>	<i>N/A</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

**DISCLAIMER**

The information above is given in good faith and is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ZAYAT AROMA INC. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ZAYAT AROMA INC. has been advised of the possibility of such damages. This data is not to be constructed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. This data relates only to the specific material designated and not to be used in combination with any other material. Many regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations.

Goldenrod  
Solidago canadensis

LOT: CA63718E

CERTIFICATE OF ANALYSIS

% TOTAL: 100.05	COMPONENTS
0.01	Unidentified
0.03	Tricyclene
0.06	alpha-Thujene
9.95	alpha-Pinene
0.93	Camphene
2.41	Sabinene
4.23	beta-Pinene
8.05	Myrcene
0.04	Hex-3(Z)-enyl acetate
0.89	alpha-Phellandrene
0.09	alpha-Terpinene
0.14	para-Cymene
8.30	Limonene
5.86	beta-Phellandrene
0.05	cis-beta-Ocimene
0.48	trans-beta-Ocimene
0.12	gamma-Terpinene
0.11	Terpinolene
0.03	Linalool
0.17	Unidentified
0.02	Unidentified
0.02	Camphor
0.08	Borneol
0.11	Terpinen-4-ol
0.02	alpha-Terpineol
3.91	Bornyl acetate
0.05	Elemene isomer
0.38	delta-Elemene
0.04	alpha-Cubebene
0.06	Isoledene
0.18	alpha-Copaene
0.18	Elemene isomer
0.87	beta-Bourbonene
4.69	beta-Elemene
0.06	alpha-Gurjunene
0.02	Unidentified
0.42	beta-Ylangene
1.47	beta-Caryophyllene
0.03	Unidentified
0.43	beta-Copaene
0.23	trans-alpha-Bergamotene
0.05	6,9-Guaiadiene
0.15	cis-Murrola-3,5-diene
0.01	Geranyl acetone
0.03	Unidentified
0.10	trans-Murrola-3,5-diene
1.51	alpha-Humulene
0.07	cis-Cadina-1(6),4-diene
0.08	Unidentified
0.12	Unidentified
0.35	trans-Cadina-1(6),4-diene
0.04	Unidentified
38.78	Germacrene D
0.07	Unidentified
0.34	beta-Selinene
0.30	trans-Murrola-4(14),5-diene
0.58	Bicyclogermacrene
0.37	alpha-Murolene

CERTIFICATE OF ANALYSIS

0.18	<i>delta-Amorphene</i>
0.03	<i>Unidentified</i>
0.11	<i>Unidentified</i>
0.17	<i>gamma-Cadinene</i>
0.02	<i>Unidentified</i>
0.71	<i>delta-Cadinene</i>
0.11	<i>beta-Sesquiphellandrene</i>
0.04	<i>trans-Cadine-1,4-diene</i>
0.05	<i>alpha-Cadinene</i>
0.11	<i>Germacrene B</i>
0.04	<i>trans-Nerolidol</i>
0.01	<i>Unidentified</i>
0.03	<i>Caryophyllene oxide</i>
0.02	<i>Unidentified</i>
0.03	<i>Unidentified</i>
0.02	<i>Unidentified</i>
0.05	<i>Unidentified</i>
0.08	<i>alpha-Cadinol</i>
0.02	<i>Unidentified</i>
0.05	<i>Unidentified</i>