

# *Artemisia Argyi Oil* */Mugwort Oil*

Artemisias (Compositae) are one of the most popular plants in Chinese traditional preparations and frequently used for the treatment of diseases such as malaria, hepatitis, cancer, inflammation, and infections by fungi, bacteria, and viruses.



YUNNAN LORRAINE AROMATIC PRODUCTS CO.,LTD

# Artemisia Argyi Oil

Artemisia argyi Levl. et Vant.

**Introduction:** Artemisia argyi is a herbaceous perennial plant with a creeping rhizome. It is native to China and in China as the name of Ai Ye. It is used in China for thousand years in herbal medicine for conditions of the liver, spleen ,kidney and other well-being uses.

## Medicinal use of Artemisia argyi:

The leaves are antiseptic, expectorant, febrifuge and styptic. They are used in the treatment of sterility, functional bleeding of the uterus, dysmenorrhoea, coughs and asthma. They are also used in moxibustion. The leaves have been found to have an antibacterial action, effective against Staphylococcus aureus, Bacillus typhi, B. dysenteriae, E. coli, B. subtilis, Pseudomonas etc. A volatile oil extracted from the plant is particularly effective in the treatment of bronchitis and asthma - the oil is sprayed into the throat and takes effect within one minute.

## Main Crop Seasons:

Often begin from early of May and end at July

Oil Yield: 0.69%-0.85%

## Basic Information

【Product Name】 Artemisia argyi Oil

【Synonym】 Mugwort Oil ; Chinese Wormwood leaf Oil ;

【Plant Part】 Leaves

【Extraction Method】 Steam Distilled

【Country of Origin】 Yunnan,China

【Packing】 50kg,180kg/drum in galvanized steel drum or As per required.

【Usage】 Pharmaceutical Excipient, Spa,massage oil,etc

By GC and GC / MS analysis method for the determination of the different sources of Argyi Leaf Oil, the mainly components are the following:

Alpha Thujene  
1,8-Cineole  
Alpha-Phellandrene  
Para-Cymene  
Gamma- Terpinene

Camphene,Beta Pinene,  
Myrcene,  
Alpha-Terpinene  
limonene  
Alpha-Terpineol



*Artemisia Argyi Oil*  
from Yunnan Lorraine



**Habitat of the herb:** Waste places, roadsides, slopes, hills, steppe and forest steppe at low elevations to 1500 metres in most areas of China.

**Propagation of Artemisia argyi:** Seed - surface sow spring in a greenhouse. Do not allow the compost to dry out. When large enough to handle, prick the seedlings out into individual pots and plant them out in early summer.

**Cultivation of the herb:** Waste places, roadsides, slopes, hills, steppe and forest steppe at low elevations to 1500 metres in most areas of China.

Artemisia Argyi is the most common plant in China and the main area that have large scale plantations are Yunnan, Hubei, Anhui, Shangdong, Hubei, but the diversity climate of Yunnan is most suitable for the Artemisia leaf grow and the content of Alpha Thujene also higher than other places.



### In China, Artemisia Argyi found a perfect home in the climate of Our Yunnan Province

All parts of the plant contain essential oils with all-purpose insecticidal properties.

The leaves and buds, best picked shortly before Artemisia argyi flowers, were used as a bitter flavoring agent to season fat, meat and fish. Artemisia argyi has also been used to flavor beer before the introduction of, or instead of hops

# CERTIFICATE OF ANALYSIS

Batch no.: LR151204A

## CHINESE WORMWOOD OIL ( *Artemisia argyi* oil )

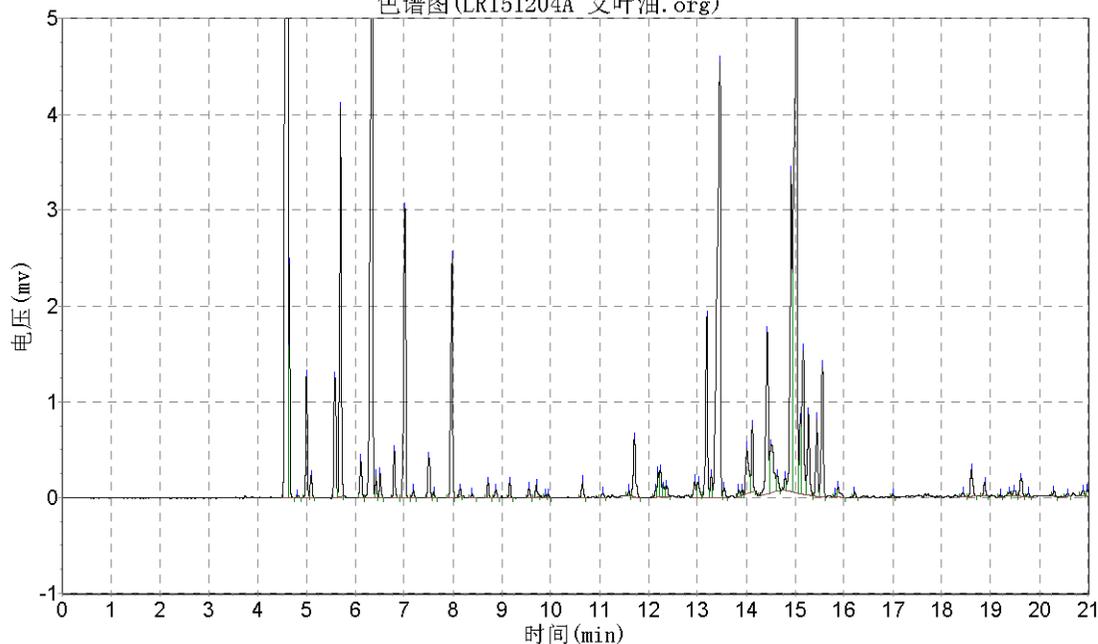
Area source: China  
Nature of the product: 100% pure and natural essential oil obtained by steam distillation of fresh plants

Test	Specification	Result
Appearance and Color:	Green to greenish blue liquid.	Conform
Odor:	With characteristic aroma	Conform
Relative Density(20/20°C):	0.8940~0.9230	0.9120
Refractive Index( 20°C ) :	1.4720-1.4900	1.4852
Alpha-thujene:		29.09%
Alpha-phellandrene:		11.05%

CAS NO : 8008-93-3

FEMA : 3116

色谱图(LR151204A 艾叶油.org)



峰号	峰名	保留时间	峰高	峰面积	含量
1	Alpha-thujene	4.608	25083.531	73574.172	29.0887
2		4.635	1559.424	311.285	0.1231
3		4.647	2450.376	3554.469	1.4053
4		4.818	30.386	71.950	0.0284
5	camphene	4.998	1270.780	2930.738	1.1587
6		5.093	226.099	526.732	0.2083
7	Beta-pinene	5.583	1252.095	3422.820	1.3533
8		5.700	4062.209	9931.518	3.9266
9	myrcene	6.108	398.420	1130.950	0.4471
10	Alpha-phellandrene	6.350	8055.577	27936.760	11.0453
11		6.418	240.398	476.368	0.1883
12	Alpha-terpinene	6.508	256.166	561.797	0.2221
13		6.797	491.000	1231.300	0.4868
14	limonene	7.015	3024.504	7971.150	3.1515
15	1,8-cineole	7.180	92.420	221.250	0.0875
16	gamma-terpinene	7.508	414.564	1287.501	0.5090
17		7.605	67.395	173.410	0.0686
18	para-cymene	7.975	2513.626	6338.050	2.5059
19		8.142	81.286	182.100	0.0720
20		8.385	52.000	134.100	0.0530
21		8.717	160.452	375.650	0.1485
22		8.875	93.928	286.000	0.1131
23		9.162	163.444	385.250	0.1523
24		9.557	101.928	251.700	0.0995

# GC Analysis Picture

25		9.707	132.435	362.650	0.1434
26		9.888	31.039	77.712	0.0307
27		9.945	37.438	94.876	0.0375
28		10.653	175.920	502.200	0.1986
29		11.063	54.870	193.100	0.0763
30		11.598	63.576	143.824	0.0569
31		11.712	612.570	2127.231	0.8410
32		12.145	84.852	196.584	0.0777
33		12.197	253.631	642.976	0.2542
34		12.243	284.523	842.580	0.3331
35		12.307	102.034	283.675	0.1122
36		12.373	111.571	356.855	0.1411
37		12.943	184.550	508.958	0.2012
38		13.017	168.070	671.193	0.2654
39		13.195	1897.880	5270.304	2.0837
40		13.282	241.293	645.986	0.2554
41		13.460	4551.091	21357.354	8.4440
42		13.547	94.521	252.042	0.0996
43		13.845	70.721	191.567	0.0757
44		13.915	55.316	132.767	0.0525
45		14.013	490.929	2060.350	0.8146
46		14.127	695.733	1763.133	0.6971
47		14.430	1696.760	6055.031	2.3940
48	alpha-terpineol	14.512	502.036	2862.404	1.1317
49		14.640	176.928	512.828	0.2028
50		14.797	136.533	379.565	0.1501
51		14.920	3350.689	10062.195	3.9783
52		15.028	5516.285	26183.873	10.3522
53		15.110	780.007	1959.360	0.7747
54		15.165	1512.928	4467.621	1.7663
55		15.275	858.679	2596.223	1.0265
56		15.447	819.791	2231.475	0.8823
57		15.560	1365.722	4351.125	1.7203
58		15.825	33.810	80.759	0.0319
59		15.877	106.832	449.144	0.1776
60		16.217	60.000	160.700	0.0635
61		17.002	32.000	83.600	0.0331
62		18.438	44.379	158.250	0.0626
63		18.610	282.613	1025.450	0.4054
64		18.880	144.000	461.000	0.1823
65		19.197	28.098	82.000	0.0324
66		19.387	37.702	113.637	0.0449
67		19.483	54.275	217.193	0.0859
68		19.627	184.811	657.558	0.2600
69		19.773	40.123	125.150	0.0495
70		20.295	49.240	150.800	0.0596
71		20.572	27.437	92.750	0.0367
72		20.893	48.329	173.736	0.0687
73		20.978	60.676	207.914	0.0822
74		21.210	96.000	418.700	0.1655
75		21.387	25.000	134.500	0.0532
76		21.547	245.000	974.700	0.3854



LORRAINE'S NEW PRODUCT

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