LIFTMODE

LIFTMODE 47 W. Polk St. STE 100-241 Chicago, IL 60605 liftmode@liftmode.com liftmode.com

CERTIFICATE OF ANALYSIS

Cistanche

(Cistanche deserticola Extract)

Country of Origin: China

Material Lot #: 2019-09-01 Manufacturer Analysis Date: 01/09/2019

Analysis Date: 05/07/2020

Retesting Date: 05/07/2023

Analysis	Claim	Result	
Echinacoside	≥22%	23.2%	
Acetoside	≥6%	16.1%	

Test	Specification	Result		
Echinacoside HPLC Assay	≥22%	23.2%		
Acetoside HPLC Assay	≥6%	16.1%		
ICP-MS Arsenic Lead Cadmium Mercury	≤1.5 ppm ≤0.5 ppm ≤0.5 ppm ≤0.5 ppm	0.015 ppm 0.014 ppm 0.005 ppm <0.001 ppm		
Total Aerobic Count	≤1000 cfu/g	Conforms		
Yeast & Mold	≤100 cfu/g	Conforms		
Coliform	≤10 cfu/g	Conforms		
<i>E.coli</i>	Negative	Conforms		
Salmonella	Negative	Conforms		

Cistanche Deserticola Extract should be stored at or below room temperature in a tightly sealed durable container. Cistanche Deserticola Extract should be protected from excess heat, direct sunlight, excess humidity, and moisture. Cistanche Deserticola Extract has a retesting period of 3 years from the date of analysis when properly stored.



Main Benefits

- Cistanche deserticola, also known as "desert Ginseng" or by its Traditional Chinese Medicine (TCM) name "Rou Cong Rong," has been used throughout Asia as a tonic for sexual health, anti-aging, and memory enhancement.
- While the mechanisms are poorly understood, phenylethanoid glycosides Echinacoside and Acetoside are believed to be the primary active compounds. Both interact with Ghrelin receptors and may induce hunger.
- Cistanche sp. may have androgen-like effects and increase bone density, skeletal muscle mass in aging populations, and skin elasticity.

Main Cautions

- Some evidence suggests *Cistanche deserticola* Extract may have a sedative effect, so caution is advised before driving or operating heavy machinery.
- Cistanche deserticola Extract is generally well tolerated but caution is still advised when investigating higher doses.
- Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.

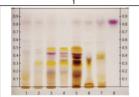
Usage Tips

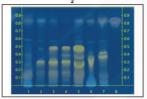
- A 0.15cc measuring scoop is included. Two level scoops contains approximately one serving of 200mg Cistanche deserticola Extract. As a dietary supplement, take 1 serving up to 2 times per day. Start at the lower suggested quantity to assess response.
- There are no known negative side effects attributed to Cistanche deserticola Extract, but those using hormonal medications & contraceptives should speak to a doctor before use.
- Cistanche deserticola Extract is very hygroscopic in nature and should be kept tightly sealed and away from moisture
- This supplement is not intended to treat, diagnose, prevent, or cure any diseases. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- It is safe to stack *Cistanche deserticola* Extract with other supplements as long as the amount consumed does not exceed the suggested serving size.
- The benefits of Cistanche deserticola Extract are most effective when they are supported by a healthy diet and plenty of exercise.



Work performed Alkemist Labs

che deserticola (20190901)





powdered extract Fine Powder (20190901) →Lanes 4(0.5µl), 5(3µl) 20176HJI_1

(2019/00) 3-tones 4(0.54), 5fuly

2017/84/L, 1

Catroniche deserficio Ma (Drobonchaceae)

Lone 1(34) ((3/23/23/44) Catroniche deserficio (Interi); Lone 2(34) ((3/33/33/84)),

Lone 1(34) ((3/23/23/44) Catroniche deserficio (Interi); Lone 4(34) ((3/33/36/84)),

Lone 7(34) ((3/31/32/44)),

Lone 7(34) ((3/31/33/84)), ((3/31/34)),

Lone 7(34) ((3/31/33/84)), ((3/31/34)),

Lone ((3/4) ((3/4)),

Lone ((3/4)

Comments & Conclusions: Lo



Examined, Reviewed & Authorized by: Khanh N Tran, HPTLC, R&D Supervisor, Alkemist Labs

Report Date: 07/01/20



CERTIFICATE OF ANALYSIS



12661 HOOVER STREET GARDEN GROVE, CA 92841 | p. 714-754-4372 | p. 714-668-9972

Synaptent 47 W. Polk St. Chicago Illinois 60605

Determination of Total Phenols in Echinacea angustifolia by HPLC 1.20 1.00 0.80 ₽ _{0.60} 0.40 0.20 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00

Compound Name	Prep 1 (%) As Is	Prep 2 (%) As Is	Average (%) As Is	Average (%) Dried Basis	Specification	Result
Caftaric Acid	ND	ND	ND	ND	N/A	N/A
Chlorogenic Acid	ND	ND	ND	ND	N/A	N/A
Cynarin	ND	ND	ND	ND	N/A	N/A
Echinacoside	23.263	23.182	23.223	23.513	NLT 22%	Pass
Chicoric Acid	ND	ND	ND	ND	N/A	N/A
Total Phenois	23.263	23.182	23.223	23.513	N/A	N/A
	Caftaric Acid Chlorogenic Acid Cynarin Echinacoside Chicoric Acid	Compound Name	Compound Name	Compound Name Prep 1 (%) As Is (%) A	Compound Name Prep 1 (%) As 15 (%) As 16 (%) A	Compound Name Prep 1 (%) As 15 (%) As 16 (%) A

Sitions: USP 42 - Echinacea Angustifolia AP52 Prodigy 5µ ODS3 100A (250 x 4.6 mm) 35°C 1.5 mL/min 5 ul.

Sample Preparation: Transferred about 125 mg to a round bottom flask. Added 25 ml. 70% ethanol and refluxed with shaking for 15 mins. Filtered nto vial for analysis.

This "Cistanche deserticola" test sample contains an average of 24% echinac N/A
1.24%
This method has not been validated for this sample matrix by Alkemist Labs. LC144 p. 77

Client:

Synaptent LLC 47 W Polk Street, 100-241 Chicago, IL 60654

Description

Glycosides

Lead

Arsenic

Cadmium

Mercury Total Aerobic Count Yeast and Mold

Coliform

Salmonella osides determined based on Echina

Report Date

Analysis Date : 07/10/20 Analyzed By: A Pham A Gain Gray

Certificate of Analysis

| Sample Collected By: Client | Product Name | Cistanche Tubulosa | Product Lot Number | 20190901 | Product Name | 20030046 | Product Name | 2003004

UV-vi

ICP-MS

ICP-MS

ICP-MS

Biolumix

Biolumix

Biolumix

Biolumix

Biolumix

side as the reference mate

Laboratory Number

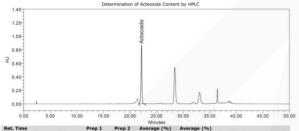
05/07/20

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Synaptent 47 W. Polk St. Chicago Illinois 60605



ditions:
EP 10.1 - Lemon Verbena Leaf
AP119 Luna C18(2) Sµm (250 x 4.0 mm)
20°C
1 ml/min
20 µL
330 nm
0.3% Phosphoric Acid
Acetonthrie
Alilance_4

Collin Thomas Laboratory Manager

05/07/2020 5/7/20

20030046

39.1%

0.014 ppm

0.015 ppm 0.005 ppm

<0.001 ppm

<1,000 cfu/g

<100 cfu/g

Absent

<10 cfu/g