

CERTIFICATE OF ANALYSIS

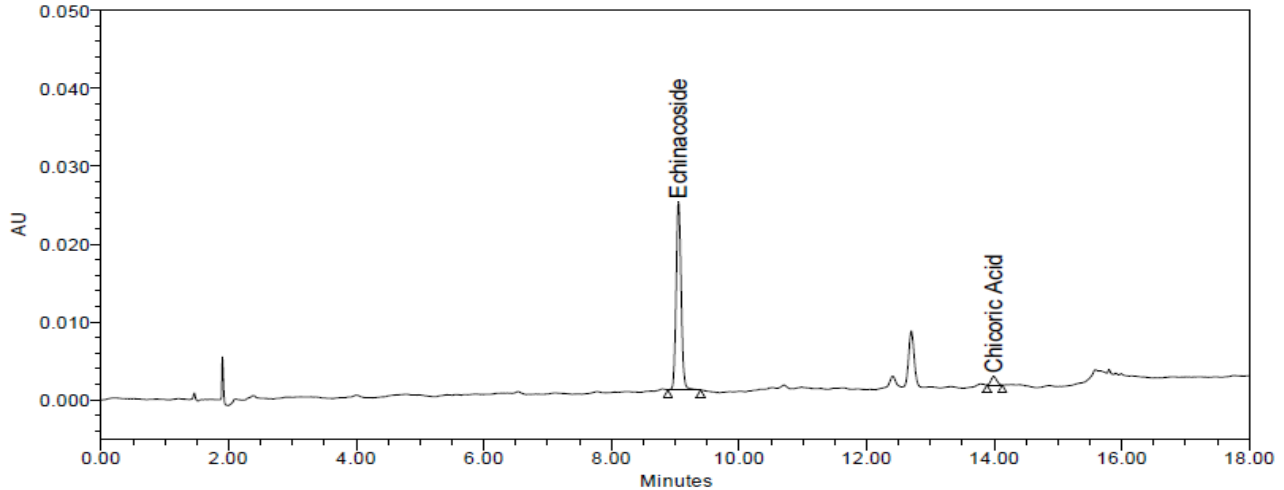


12661 HOOVER STREET GARDEN GROVE, CA 92841 | P. 714-754-4372 | F. 714-668-9972 | WWW.ALKEMIST.COM

Report Issued To: Lost Empire Herbs
8301 NW 101st Ter.
Kansas City MO 64153-2321
United States

Sample Name: Cistanche
Description: Powdered extract; Fine brown powder
Lot #: BCIST6025MAR24
AL #: 24092TZC_1
Analysis ID: 225973
Received: 04/01/24

Determination of Total Phenols Content by HPLC



Ret. Time (min)	Compound Name	Amount (%)	Amount (%) ODB	Specification	Result
9.1	Echinacoside	38.313	39.745	Report only	N/A

Chromatographic Conditions:

Method: USP 43 - Powdered Echinacea Purpea Extract
Column: AP373 Zorbax SB C18 5µm 100A (250 x 4.6 mm)
Temperature: 35°C
Flow Rate: 1.5 mL/min
Injection Volume: 5 µL
UV Detection: 330 nm
Mobile Phase: 0.1% Phosphoric Acid in water
Acetonitrile
HPLC Instrument: Alliance_2

Sample Preparation:

Transferred approximately 2000 mg to a 50 mL round bottom flask. Added 25 mL of 70% Ethanol. Refluxed for 15 minutes. Let cool. Diluted the supernatant 1:1000 with 70% Ethanol. Mix by inversion and filtered through 0.45µm PTFE filter into HPLC vial for analysis.

Report Summary:

Conclusion: This "Cistanche" test sample contains 40 % Echinacoside on the dried basis.
OOS Reference: N/A
Loss on Drying: 3.604 %
Empower Reference: 09924 Phenols in Echinacea

Analysis Date: 04/08/24

Analyzed By: H Pham

Authorized By: Celine Decasiano,
Analytical Chemistry Supervisor

The analytical method used has not been verified or validated for this product by Alkemist Labs. This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report is for the exclusive use of the party who requested the report and not for public dissemination or use by third parties, including for promotional purposes, without the prior written permission of Alkemist Labs. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void. Pass/Fail decision is based on laboratory results as found.

© 2024 Alkemist Labs All Rights Reserved