

CERTIFICATE OF ANALYSIS

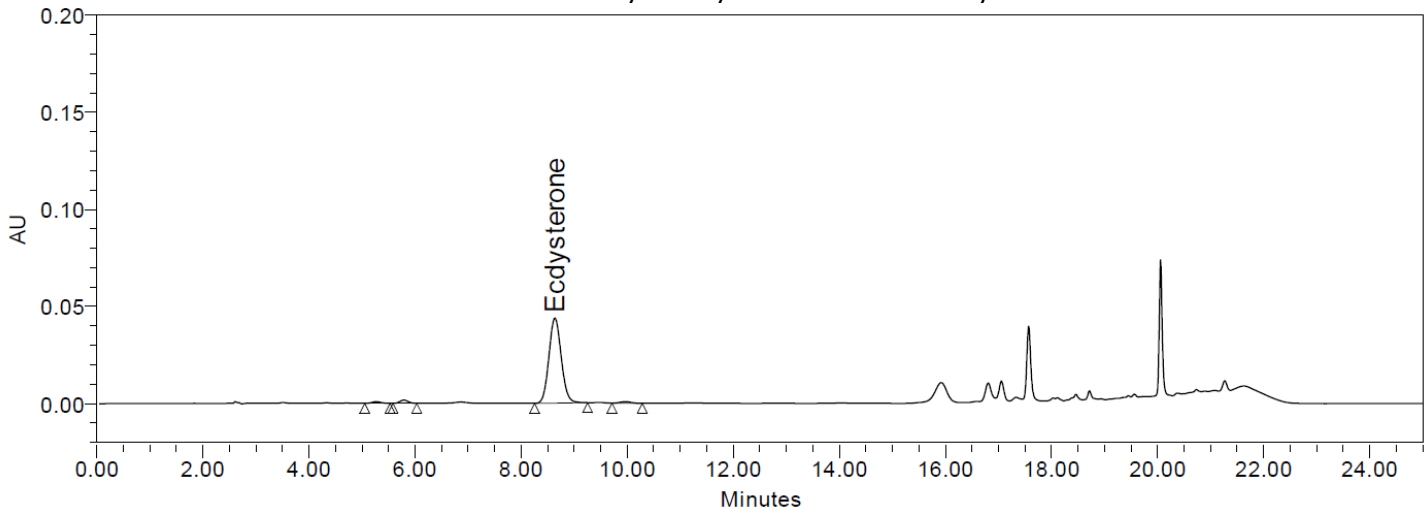


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Report Issued To: Yaju
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Sample Name: Ecdysterone (Cyanotis arachnoidea extract)
Description: Powdered extract; Fine powder
Lot #: ECDY220920
AL #: 22353EDX_1
Analysis ID: 192111
Received: 12/19/22

Determination of Phytoecdysteroids Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (%)	Prep 2 (%)	Average (%)	Specification	Result
4.7	Turkesterone	ND	ND	ND	N/A	N/A
8.6	Ecdysterone	46.386	44.529	45.457	50%	Fail

Chromatographic Conditions:

Method: ATM-815-0290
Column: AP294 Luna 5 μ C18 (2) 100A (250 x 4.6 mm)
Temperature: 30°C
Flow Rate: 1 mL/min
Injection Volume: 10 μ L
UV Detection: 250 nm
Mobile Phase: Methanol:Water (45:55)
HPLC Instrument: Alliance_5

Sample Preparation:

Transferred approximately 250 mg of sample into a 25 mL volumetric flask. Added 20 mL of methanol, vortexed for 30 seconds and sonicated for 20 minutes at room temperature. Let cool and filled to volume with methanol. Mixed by inversion. Diluted 1:10 in methanol and filtered through a 0.45 μ m PTFE syringe filter into an HPLC vial for analysis.

Report Summary:

Conclusion: This "Ecdysterone (Cyanotis arachnoidea extract)" test sample has an average of 45% ecdysterone on the as is basis.
Note: ND = Not Detected
OOS Reference: OOS-2023-026
Empower File: 01223 Phytoecdysteroids

Analysis Date : 01/13/23

Analyzed By: D Jimenez

Authorized By: Kirtal Chopra,
Laboratory Manager