

CERTIFICATE OF ANALYSIS

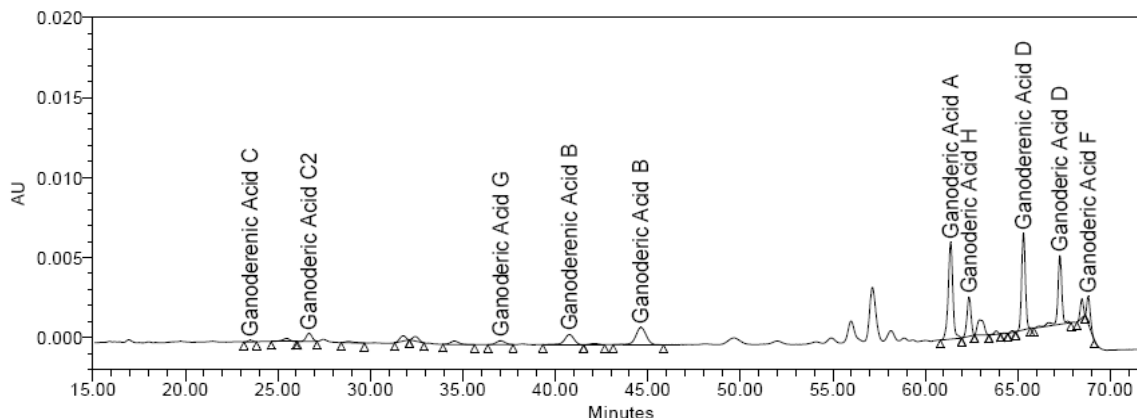


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Report Issued To: Mushroom Rise
16192 COASTAL HIGHWAY
LEWES DE 19958-3608
USA

Sample Name: Reishi/mushroom extract
Description: Capsule powder; Light gray reclosable plastic bag w/designs
Lot #: R-01
AL #: 24200WPM_1
Analysis ID: 235993
Received: 07/18/24

Determination of Ganoderic Acids Content by UPLC



Ret. Time (min)	Compound Name	Amount (%)	Specification	Result
23.50	Ganoderic Acid C	BLOQ	N/A	N/A
26.68	Ganoderic Acid C2	0.0013	N/A	N/A
37.05	Ganoderic Acid G	0.0011	N/A	N/A
40.75	Ganoderic Acid B	0.0011	N/A	N/A
44.61	Ganoderic Acid B	0.0052	N/A	N/A
61.37	Ganoderic Acid A	0.0114	N/A	N/A
62.37	Ganoderic Acid H	0.0061	N/A	N/A
65.31	Ganoderic Acid D	0.0048	N/A	N/A
67.28	Ganoderic Acid D	0.0078	N/A	N/A
68.82	Ganoderic Acid F	0.0035	N/A	N/A
Total Triterpenoic Acids		0.0423	Report only	N/A

Chromatographic Conditions:

Method: USP - Ganoderma Lucidum Fruiting Body Powder
Column: AP375 ACQUITY UPLC HSS T3 1.8 μ m (2.1 x 150 mm)
Temperature: 25°C
Flow Rate: 0.4 mL/min
Injection Volume: 5 μ L
UV Detection: 257 nm
Mobile Phase: 0.075% Phosphoric Acid
Acetonitrile
HPLC Instrument: UPLC_1

Sample Preparation:

Composited the content of 10 capsules. Transferred approximately 2 g of sample into a 250 mL round bottom flask. Added 75 mL of ethanol and refluxed for 45 minutes. Let cool and filtered into another 250 mL round bottom flask, rinsing the first flask two times with 10 mL ethanol and filtering into second 250 mL round bottom flask. Evaporated to dryness. Added 5mL of ethanol. Swirled flask to dissolve residue. Transferred into 25 mL volumetric flask and filled to volume with ethanol. Conditioned an SPE column with 5 mL methanol and 3 mL water. Diluted sample solution 1:10 in water. Passed this solution through the SPE column. Rinsed column with 3 mL water. Eluted with 2 mL methanol and collected into a 2 mL volumetric flask. Evaporated under nitrogen to 1 mL and filled to volume with methanol. Mixed well and filtered into vials for analysis.

Analysis Date : 08/05/24

Analyzed By: Z Herrera

Authorized By: Celine Decasiano,
Analytical Chemistry Supervisor

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Report Summary:

Conclusion: The " Reishi/mushroom extract " test sample contains 0.04% total triterpenoic acids on the as-is basis.

OOS Reference: N/A

Fill weight: 623.688 mg/capsule

Note: BLOQ= below limit of quantification ; LOQ Ganoderic Acid C= 0.0004%

WI Reference: 21324 Triterpenoic Acids

Analysis Date : 08/05/24**Analyzed By: Z Herrera****Authorized By: Celine Decasiano,
Analytical Chemistry Supervisor**

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