

Project Description: Product Testing
Report Issued To: Fractal Forest
5-5226 Kuhio Hwy Unit 1422
Hanalei, HI 96714
Contact: Kayra Prentice

Certificate of Analysis

AEMTEK #: 21051472

Sampling Date: 2021-05-06
Sample Received: 2021-05-25
Analysis Started: 2021-05-26
Analysis Performed By: ES, AO, EL, BH
Report Issue Date: 2021-06-02

General: The test results presented in this report pertain only to the samples supplied by the client (named after "Report Issued To" in header). AEMTEK assumes that the client has followed all applicable procedures for sample collection, shipping and any other procedures specified by standard methods, regulatory agencies or AEMTEK. Deviation from or failure to follow such procedures may lead to error in analysis and testing, and the client agrees that AEMTEK shall not be responsible or liable in any manner for any analytical error resulting from non-compliance with the sample collection procedures. Test results and findings shall only apply to the specific sample tested in the service (the "Analysis"). Client company may use and distribute copies of the report of the test results (The "Certificate of Analysis") only in its entirety. Any other reproductions, distributions, or disclosures, in any form, of any portion of the Report or the Test Results contained therein shall require prior written consent of AEMTEK. Subject to the restrictions set forth in this document, the client shall own all rights to the report and test results. Except as otherwise stated, AEMTEK standard Terms and Conditions for testing services apply.

Sample Information: All information regarding sample identification and description are from the client's Sample Submission Form (Chain of Custody). The report and test results assume the accuracy and completeness of such information and samples. Any results provided by AEMTEK in a form other than that specified on this submission form shall be deemed preliminary and non-binding. Unless specifically noted, the samples were received in acceptable condition. Samples accepted by AEMTEK shall remain the property of the client while in the custody of AEMTEK.

Significant Figures: Because of the nature of the biological samples and analytical methods, the number of significant figures should generally be one or two, although the actual calculated results are reported.

Sample Retention and Retest Policy: When possible, AEMTEK shall retain prepared or untested portion of samples for one week following the date of issuing this report. After the retention period, the samples shall be properly discarded, unless otherwise requested by the client. Client should notify AEMTEK within 48 hours after report issue date if retesting is desired. Due to sample types and nature of analysis, retesting may not be available in some cases. AEMTEK does not routinely preserve microorganisms isolated from test samples beyond the one week sample retention period. In the event of positive pathogen findings, the client shall instruct AEMTEK laboratory within 48 hours in regards to confirmation and preservations of pathogen cultures.

Confidentiality: AEMTEK shall exercise due care to keep the report and test results confidential, unless otherwise specified on the submission form, requested by the client, or by law. AEMTEK does not voluntarily report any test results to regulatory agencies. However, client is advised to comply with product safety regulations.



Report Authorized By:



Florence Wu, Ph.D., President



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Analyte		Aerobic Plate Count	Bile-tolerant Gram-negative Bacteria	Escherichia coli	Salmonella	Staphylococcus aureus	Yeast	Mold	Clostridium spp.
Method		USP 2021 (mod.)	USP 2021 (mod.)	USP 2022 (mod.)	USP 2022 (mod.)	USP 2022 (mod.)	USP 2021 (mod.)	USP 2021 (mod.)	USP 2022 (mod.)
Reporting Unit		CFU/g	MPN/g	per 10g	per 10g	per 10g	CFU/g	CFU/g	per 10g
Method Detection Limit for Reporting		10	1 MPN/g	P/A	P/A	P/A	10	10	P/A
Sample ID	Sample Description	RESULTS							
1	Shilajit	<10	<1	ND	ND	ND	<10	<10	ND

Terminology:

CFU = Colony Forming Units g = gram
< Indicates less than the reporting limit as noted
ND = Not Detected, negative, absent. Sensitivity is about 1 organism per test portion.
BAM = FDA Bacteriological Analytical Manual
AOAC OMA = Official Methods of Analysis of the AOAC International, 18th ed.

MPN = Most Probable Number
P/A = Presence/Absence N/A = Not Applicable or not analyzed
CP Staph = Coagulase Positive Staphylococci (Staphylococcus aureus)
CMMEF = Compendium of Methods for the Microbiological Examination of Foods, 4th ed.
AOAC RI = AOAC Research Institute Performance Tested.



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Analyte		Arsenic	Cadmium	Lead	Mercury
Method		AOAC OMA 2015.01	AOAC OMA 2015.01	AOAC OMA 2015.01	AOAC OMA 2015.01
Reporting Unit		ppm (mg/kg)	ppm (mg/kg)	ppm (mg/kg)	ppm (mg/kg)
Method Detection Limit for Reporting		0.01	0.01	0.01	0.01
Sample ID	Sample Description	RESULTS			
1	Shilajit	0.79	0.04	0.56	<0.01

Terminology:

CFU = Colony Forming Units g = gram
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**AEMTEK, INC.****CHAIN OF CUSTODY: Dietary Supplement Test**AEMTEK Project Number: **21051472**

466 Kato Terrace, Fremont, CA 94539 Phone: 510-979-1979 Fax: 510-868-1980 E-mail: labdata@aemtek.com

Contact Information	Project Information
Fractal Forest	Project Name:
4-1104 Kuhio Hwy PMB 165 Kapaa, HI 96746	PO Number:
Kayra Prentice	Sampling Date:
info@syncromystic.com 808-720-0369	

Lot #, Production Date	Sample Description	Dietary Supplement Panel includes the tests listed below							Check to Include		Method Suitability Needed (+ \$350 per sample) (To be checked by Lab Director if needed. Required once per unique formulation)
		APC	Yeast & Mold	Bile tolerant Gram neg.	E. coli	Staph. aureus	Salmonella	Clostridia	P. aeruginosa	Candida albicans	
		USP <81>		USP <82>							
		USP <2021>		USP <2022>					-	-	
1	Shilajit				X						
2					X						
3					X						
4					X						
5					X						
3					X						
7					X						
9	NEW CLIENT				X						
9	QA <u>km</u>				X						
9	Accounting <u>km</u>				X						
0	LIMS <u>km 5/26/21</u>				X						

Relinquished by Client	Date & Time	Notes	Send Samples To:	Received by AEMTEK
sign Kayra Prentice	5/8/21	Provide at least 45 - 50g of sample.	AEMTEK Sample Receiving Food Laboratory 466 Kato Terrace Fremont, CA 94539	25 May 21 <u>km</u>
print	time			Sample Receiving Temperature (N/A for ambient):

**AEMTEK, INC.****CHAIN OF CUSTODY: Food Chemistr**AEMTEK Project Number: 21051472

466 Kato Terrace, Fremont, CA 94539 Phone: 510-979-1979 Fax: 510-668-1980 E-mail: labdata@aemtek.com

Contact Information								Project Information			
Fractal Forest								Project Name:			
4-1104 Kuhio Hwy PMB 165 Kapaa, HI 96746								PO Number:			
Kayra Prentice								Sampling Date:			
info@syncromystic.com 808-720-0369								Additional Info:			
Client Sample Code (Lot #, Production Date, Lab ID, etc.)	Sample Description & Other Notes	Indicate test requests with a X below - please specify exact test where applicable									
		pH	Water Activity (Aw)	Moisture	Fat	Protein	Salt	Gluten Allergen	Heavy Metal Panel (Arsenic, Mercury, Lead, Cadmium)	Mycotoxin (Please specify)	OTHER (Please specify)
		Required Sample Amount									
		20g	10g	25g	5g	5g	10g	5g	10g		TBD
1	Shilajit								X		
2											
3											
4											
5											
6											
7	NEW CLIENT										
8	QA <u>kw</u>										
	Accounting <u>kw</u>										
	LIMS <u>kw 5/28/21</u>										
Relinquished by Client		Date & Time		Notes		Send Samples To:		Received by AEMTEK			
sign Kayra Prentice		6/8/21		All subcontracted tests subject to price change without notice. Sample preparation fees may also apply.		AEMTEK Sample Receiving Food Laboratory 466 Kato Terrace Fremont, CA 94539		25 May 21 <u>kw</u> Sample Receiving Temperature (N/A for ambient):			
print		time									