

A & L WESTERN AGRICULTURAL LABORATORIES, INC.

Report No: 12-139-009

1311 Woodland Avenue, Suite 1 • Modesto, California 95351 • (209) 529-4080

Account No: 9999-D



Send to: COSMIC COIR
4543 S PACIFIC HWY
PHOENIX, OR 97535

Lab No.: 24351

Sample Id: COSMIC COIR

Date Received: 05/18/2012

Date Reported: 06/11/2012

503 METALS ANALYSIS REPORTS

Detection Limit mg/kg	Analyte	Level Found mg/kg	Method Code
0.5	Arsenic	BDL	EPA SW846-6010
0.1	Cadmium	BDL	EPA SW846-6010
0.5	Chromium	2.9	EPA SW846-6010
0.1	Copper	5.5	EPA SW846-6010
1.2	Lead	1.3	EPA SW846-6010
0.05	Mercury	BDL	EPA SW846-7471A
1.0	Molybdenum	BDL	EPA SW846-6010
0.1	Nickel	1.4	EPA SW846-6010
5.5	Selenium	BDL	EPA SW846-6010
0.1	Zinc	12.8	EPA SW846-6010

BDL - INDICATES THE LEVEL FOUND IS BELOW THE ESTABLISHED DETECTION LIMIT FOR THAT ANALYTE.
ANALYZED AT A DRY WEIGHT BASIS

A & L Western Agricultural Laboratories

Robert Butterfield
Laboratory Director

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PATHOGEN ANALYSIS REPORT

Analyte: Fecal Coliform Salmonella
Method Code: FDA BAM, Ch 4 (MPN) AOAC RI PTM #100701

Lab Number:	Sample ID:	Fecal Coliform MPN/1g	Salmonella /4g
24351	COSMIC COIR	23	Negative

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MATURITY ANALYSIS

Method: TMECC 05.05-A

Positive Control: Uni-Gro Orchid Mix

Negative Control: Uni-Gro Vermiculite

Mixture: 50% Compost/ 50% Vermiculite

Seed Type: Cucumber (Marketmore 76, Lot 17302)

Evaluation Parameters

% of seed population

Emergence (relative to positive control)

100

Vigor (relative to positive control)

100

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RESPIROMETRY ANALYSIS

Method: TMECC 05.08-B
Pre-Incubation: 3 Day @ 20° C
Incubation: 4 Days @ 35.5° C

Day	Respiration Rate	
	mg CO ₂ -C/g TS/day	mg CO ₂ -C/g OM/day
1	1.08	1.16
2	1.08	1.16
3	0.81	0.87
4	0.87	0.92
Average	0.96	1.03

Stability Rating: Very Stable

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PARTICLE SIZE ANALYSIS

Method: TMECC 02.02-B

Sieve Size

Millimeters	Inches	Percent by Weight (dry basis)
>50	>2.0	0
25-50	1.0-2.0	0
16-25	0.64-1.0	0
9.5-16	0.38-0.64	0
6.3-9.5	0.25-0.38	0
4-6.3	0.16-0.25	4.5
2-4	0.08-0.16	16.7
<2	<0.08	78.8

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