

# Sunland Analytical

11419 Sunrise Gold Circle, #10  
 Rancho Cordova, CA 95742  
 (916) 852-8557

Date Reported 09/26/2018  
 Date Submitted 09/19/2018  
 Date Collected 09/19/2018  
 ELAP CERT # 2014

To: Brad Jacobson  
 Mix & Gro  
 6504 Sutter Ave  
 Carmichael, CA 95608

From: Gene Oliphant, Ph.D. \ Randy Horney  
 General Manager \ Lab Manager

The reported analysis was requested for the following:  
 Location : PM 91918 Site ID : PM.  
 Your purchase order number is .  
 Thank you for your business.

\* For future reference to this analysis please use SUN # 78084-163280.

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**ANALYSIS OF COMPOST FOR REGULATED METALS**

Percent Moisture 61.1

\* Sample analyzed as recieved and reported on a dry weight basis.

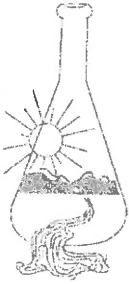
Regulated Limits ++		Values Determined +		Reporting Limits
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41	Arsenic (As)	ND	*	1.1
39	Cadmium (Cd)	ND	*	4.
1200	Chromium (Cr)	ND	*	7.
1500	Copper (Cu)	105.6 mg/kg	*****	6.
300	Lead (Pb)	ND	*	4.
17	Mercury (Hg)	0.51 mg/kg	*****	0.01
420	Nickel (Ni)	6.1 mg/kg	*****	1.5
36	Selenium (Se)	7.540 mg/kg	*****	1.4
2800	Zinc (Zn)	103.9 mg/kg	*****	2.

ND = value below detection limits

ND    Below    At Toxic  
 Limits    Level

Element/Methods

Sb	As	Ba	Be	Cd	Cr	Cr-VI	Co	Cu	Digest.Method
7040	7060	7080	7090	7130	7190	7195	7200	7210	3050
Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn	
7420	7471	7480	7520	7740	7760	7840	7910	7950	



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## LABORATORY CONTROL REPORT

Metal Analysis and Preparation for Sun Nos. 163280.

Method of Sample Preparation:

Analyte	Conc. of Analyte	Accuracy		Precision (RPD)
		%	Limits	
Arsenic	0.030	101	-83-283	1
Cadmium	1.000	102	99-101	2
Chromium	5.000	100	100-100	2
Copper	2.000	99	100-100	1
Lead	7.500	100	100-100	<1
Mercury	0.005	98	98-102	<1
Nickel	5.000	100	100-100	1
Selenium	0.030	106	60-140	<1
Zinc	1.000	97	99-101	1

NOTES (All of the following are specific for the current analysis process.)

1. Analyte concentration is obtained from purchased Quality Control Standards
2. Accuracy is the percent of the known analyte concentration determined.
3. Precision is the relative percent difference of two determinations (D1 & D2) of the know analyte.  $RPD = ((D1 - D2) / (D1 + D2) / 2) * 100$