



**IAS LABORATORIES**

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December 21, 2022

Shota  
Tank's Green Stuff  
1360 N Kolb Rd  
Tucson, AZ 85715

Project: Dec TGS 22

Enclosed are the results of analyses for samples received by our laboratory on 12/8/2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri McLane  
Certified Professional Agronomist  
Certified Crop Advisor  
License #359920



**IAS Laboratories**  
 2515 East University Drive  
 Phoenix, Arizona 85034  
 (602) 273-7248

**Report Number:** 22L0118  
**Lab Number:** 22L0118-01  
**Sender ID:** Dec TGS22

**Submitted By:** Shota  
**Report To:** Tank's Green Stuff  
**Project:** Compost Analysis  
**Date Received:** 12/08/2022

### Compost Analysis

Sample Name	Lab ID	pH Saturated Paste	Soluble Salts ppm	Total Calcium Ca %	Total Magnesium Mg %	Total Sodium Na %	Total Potassium K <sub>2</sub> O %	Total Iron Fe ppm	Total Zinc Zn ppm	Total Manganese Mn ppm	Total Copper Cu ppm	Total Nitrogen N %	Total Phosphorus P <sub>2</sub> O <sub>5</sub> %	Total Sulfur S %	Total Boron B ppm	Total Molybdenum Mo ppm	Total Carbon C %	Ratio Carbon Nitrogen C:N
Dec TGS22	22L0118-01	8.23	2930	2.67	0.45	0.10	1.49	4092	90.27	239.2	32.4	1.55	0.422	0.744	29.01	2.59	22.30	14.39

### Pounds per Ton (2000 lbs) - Zero Moisture

Sample Name	Lab ID	pH	Soluble Salts	Total Ca	Total Mg	Total Na	Total K <sub>2</sub> O	Total Fe	Total Zn	Total Mn	Total Cu	Total N	Total P <sub>2</sub> O <sub>5</sub>	Total S	Total B	Total Mo	Total C	Moisture
Dec TGS22	22L0118-01	8.23	5.86	53.38	9.08	2.00	29.79	8.18	0.18	0.48	0.06	30.93	8.45	14.88	0.06	<0.01	446.04	0.0

### Pounds per Ton (2000 lbs) - 'As Received'

Sample Name	Lab ID	pH	Soluble Salts	Total Ca	Total Mg	Total Na	Total K <sub>2</sub> O	Total Fe	Total Zn	Total Mn	Total Cu	Total N	Total P <sub>2</sub> O <sub>5</sub>	Total S	Total B	Total Mo	Total C	Moisture
Dec TGS22	22L0118-01	8.23	3.40	31.00	5.27	1.16	17.30	4.75	0.10	0.28	0.04	17.97	4.91	8.64	0.03	<0.01	259.06	41.92



# IAS Laboratories

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Date Received: December 08, 2022

Work Order: 22L0118

Submitted By: Shota

Report To: Tank's Green Stuff

Project: Dec TGS 22

## Sample Results

Sample Name: Dec TGS22

IAS Lab ID: 22L0118-01 (Compost)

	Result	MRL	Units	Method
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### Physical Properties

Organic Matter	40.06	<0.01	%	TMECC
Sieve 3/8" - % Passing	100		%	TMECC
Sieve 5/8" - % Passing	100	<0.10	%	TMECC

### Limits

Arsenic (As)	2.18	<0.10	ppm	TMECC	< 41
Cadmium (Cd)	0.26	<0.10	ppm	TMECC	< 39
Cobalt (Co)	2.64	<0.100	ppm	TMECC	< 4600
Copper (Cu)	32.4	<0.01	ppm	TMECC	< 1500
Lead (Pb)	6.10	<0.10	ppm	TMECC	< 300
Mercury (Hg)	ND	<0.10	ppm	TMECC	< 17
Nickel (Ni)	5.18	<0.100	ppm	TMECC	< 420
Selenium (Se)	0.33	<0.10	ppm	TMECC	< 100
Zinc (Zn)	90.27	<0.03	ppm	TMECC	< 2800

### Biological Properties

Germination Rate - Full Strength	83.3		%	TMECC
Germination Rate - 1:10 Strength	100		%	TMECC
MI - Phytotoxicity - Full Strength	91.7		%	TMECC
MI - Phytotoxicity - 1:10 Strength	100		%	TMECC
Organic Matter (Stability)	0.282		mg CO <sub>2</sub> -C/g /day	Solvita
Total Solids (Stability)	0.409		mg CO <sub>2</sub> -C/g /day	Solvita

### Microbiology

Fecal Coliform	970	<1.0	MPN/g	SM 9222D
Salmonella	Absent	<1.00 Present/Absent (+/-)		AOAC 989.13

MRL: Minimum Reporting Limit

ND: None Detected

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
No duplication of this report is allowed, except in its entirety.



Date Sampled/Received: 12/8/2022 11:09:00AM

<b>Product Identification</b> Dec TGS22
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**Compost Technical Data Sheet**

LABORATORY: IAS Laboratories; 2515 East University Dr.; Phoenix, AZ 85034 tel: 602.273.7248

<b>Compost Parameters:</b>	<b>Reported as (units of measure)</b>	<b>Test Results</b>	<b>Test Results (Dry Weight)</b>
Plant Nutrients:	%, weight basis		
Organic Matter	%, wet weight basis	40.06	
<b>Particle Size or Sieve Size</b>			
Sieve 5/8"	% passing	100	
Sieve 3/8"	% passing	100	
<b>Stability Indicator (respirometry)</b>		<b>Stability Reading</b>	
CO2 Evolution	mg CO2-C/g OM/day	0.282	
	mg CO2-C/g TS/day	0.409	
<b>Maturity Indicator (bioassay)</b>			
Percent Emergence	average % of control	100	
Relative Seedling Vigor	average % of control	100	
Select Pathogens	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	Pass	<i>Fecal coliform</i>
		Pass	<i>Salmonella</i>
Trace Metals	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	Pass	<i>As, Cd, Cr, Cu, Pb, Hg</i>
			<i>Mo, Ni, Se, Zn</i>

**Participants in the United States Composting Council's Seal of Testing Compliance Program have shown the commitment to test their compost products on a prescribed basis, and provide this data, along with compost end use instructions, as a means to better serve the needs of their compost customers**

This compost product has been sampled and tested as required by the Seal of Testing Assurance Program on the United States Composting Council (USCC), using certain methods from the "Test Methods for the Examination of Compost and Composting" manual. Test results are available upon request by contacting the compost producer (address at top of page). The USCC makes no warranties regarding this product or its content, quality, or suitability for any particular use. Nutrients data are for informational purposes only and do not constitute, in part or whole, a guaranteed analysis. Nutrients data are for informational purposes only and do not constitute, in part or whole, a guaranteed analysis.