



Report Number  
12-059-2037

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**REPORT OF ANALYSIS**

For: (27198) MIDWEST RESEARCH  
(816)360-1931

**Mail to: MIDWEST RESEARCH  
GREG KARR  
425 VOLKER BLVD  
KANSAS CITY MO 64110**

PO/Proj. #: 123687  
BUTLER

Date Reported: 02/28/12  
Date Received: 02/17/12  
Date Sampled: 02/16/12  
Time Sampled: Not Supplied

Lab number: 1957362 Sample ID: N2PK SUPERSPIKE 18-0-5

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date	Verified-Date
Fecal coliform (dry weight)	n.d.	mpn/g	2	EPA 1681	sjb-02/21	kej-02/22
E. coli (MPN)	n.d.	mpn/g	0.3	FDA/BAM 8TH ED. CHAPTER 4	kej-02/18	kej-02/22
Salmonella	n.d.	mpn/4 g	0.01	EPA 1682	sjb-02/22	kej-02/22
Total Kjeldahl Nitrogen	18.62	%	0.01	AOAC 2001.11	mgn-02/23	mgn-02/23
Phosphate Total (P205)	0.37	%	0.10	AOAC 16E 957.02E/ICP	jmb-02/21	mgn-02/23
Potash (K2O)	5.56	%	0.10	AOAC 16 ED 957.02E/ICP	jmb-02/21	mgn-02/23
Nitrate Nitrogen (N)	n.d.	%	0.01	AOAC15ED955.04(C)	mgn-02/23	mgn-02/23
Water Soluble Nitrogen	18.6	%	0.01	CALCULATED	mgn-02/23	mgn-02/23
Water Insoluble Nitrogen (WIN)	0.06	%	0.01	AOAC 15ED 945.01	mgn-02/23	mgn-02/23
Ammoniacal Nitrogen (N)	0.571	%	0.001	AOAC 15TH 920.03	mgn-02/23	mgn-02/23
Humic Acid	0.83	%	0.10	CALIF 4A 4/JC	mgn-02/23	mgn-02/23
pH	8.66	SU		PH METER	mgn-02/23	mgn-02/23
Total Carbon	10.17	%	0.050	C ANALYZER	mgn-02/23	mgn-02/23
Sulfur	0.05	%	0.05	ICAP	jmb-02/20	mgn-02/23
Calcium	0.49	%	0.01	ICAP	jmb-02/20	mgn-02/23
Boron (total)	7.58	mg/kg	5.00	EPA 6010	rrd-02/21	kkh-02/28
Iron (Fe)	200	ppm	50.0	ICAP	jmb-02/20	mgn-02/23
Manganese	41	ppm	20.0	ICAP	jmb-02/20	mgn-02/23
Sodium	0.08	%	0.01	ICAP	jmb-02/20	mgn-02/23
Arsenic (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-02/21	kkh-02/28
Cadmium (total)	n.d.	mg/kg	0.50	EPA 6010	rrd-02/21	kkh-02/28
Chromium (total)	3.0	mg/kg	1.0	EPA 6010	rrd-02/21	kkh-02/28

The result(s) issued on this report only reflect the analysis of the sample(s) submitted. For applicable test parameters, Midwest Laboratories is in compliance with NELAC requirements. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.



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Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date	Verified-Date
Cobalt (total)	n.d.	mg/kg	1.0	EPA 6010	rrd-02/21	kkh-02/28
Lead (total)	n.d.	mg/kg	5.0	EPA 6010	rrd-02/21	kkh-02/28
Mercury (total)	n.d.	mg/kg	0.05	EPA 7471	cjm-02/21	kkh-02/28
Molybdenum (total)	1.5	mg/kg	1.0	EPA 6010	rrd-02/21	kkh-02/28
Nickel (total)	2.5	mg/kg	1.0	EPA 6010	rrd-02/21	kkh-02/28
Selenium (total)	n.d.	mg/kg	10.0	EPA 6010	rrd-02/21	kkh-02/28
Zinc (total)	77.6	mg/kg	1.0	EPA 6010	rrd-02/21	kkh-02/28
Copper (total)	9.8	mg/kg	1.0	EPA 6010	rrd-02/21	kkh-02/28
Percent solids	49.60	%	0.01	SM 2540 G	jsa-02/20	cmw-02/21

Notes:

- n.d. - Not Detected.
- AOAC - Association of Official Analytical Chemists.
- ICAP - Inductively Coupled Argon Plasma.
- Sample(s) was prepared for EPA 6010 analysis by EPA method 3050b.

For questions contact

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