

18-103-4088 v2

REPORT DATE
May 03, 2018
 RECEIVED DATE
Apr 06, 2018

SEND TO
44031



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 www.midwestlabs.com

ISSUE DATE
May 03, 2018

Charlson Excavating Co. Inc
Erick Molstad
 4111 7th Avenue North
 Clear Lake IA 50428

REPORT OF ANALYSIS
 For: (44031) Charlson Excavating Co. Inc
 Gypsum Fines

Analysis	Level Found		Reporting		Method	Analyst- Date	Verified- Date
	As Received	Units	Limit	Method			

Sample ID: **CE Gypsum Test 1** Lab Number: **2796282** Date Sampled: **2018-04-04**

Aluminum (total)	0.08	%	0.01	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
Free moisture	3.85	%	0.01	AOAC 965.08	eas2-2018/04/13	asl4-2018/04/13
% passing 16 sieve	84.0	%	0.1	ASTM E 276-13 (mod)	ajs4-2018/05/03	asl4-2018/05/03
% passing 20 sieve	78.9	%	0.1	ASTM E 276-13 (mod)	ajs4-2018/05/03	asl4-2018/05/03
% passing 40 sieve	69.5	%	0.1	ASTM E 276-13 (mod)	ajs4-2018/05/03	asl4-2018/05/03
% passing 70 sieve	54.1	%	0.1	ASTM E 276-13 (mod)	ajs4-2018/05/03	asl4-2018/05/03
% passing 100 sieve	58.9	%	0.1	ASTM E 276-13 (mod)	ajs4-2018/04/13	asl4-2018/04/13
% passing 200 sieve	41.7	%	0.1	ASTM E 276-13 (mod)	ajs4-2018/05/03	asl4-2018/05/03
Silicon (acid soluble)	641	ppm	10.0	EPA 6010	ras7-2018/05/02	bab2-2018/05/02
Boron (total)	< 100	ppm	100	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
Sulfur (total)	16.9	%	0.05	MWL ME PROC 26	ajm4-2018/04/10	asl4-2018/04/11
Phosphorus (total)	< 0.05	%	0.05	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
Potassium (total)	0.09	%	0.05	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
Magnesium (total)	0.11	%	0.01	MWL ME PROC 26	ajm4-2018/04/10	asl4-2018/04/11
Sodium (total)	0.02	%	0.01	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
Iron (total)	890	ppm	50.0	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
Calcium (total)	21.8	%	0.01	MWL ME PROC 26	ajm4-2018/04/10	asl4-2018/04/11
Manganese (total)	29.9	ppm	20.0	MWL ME PROC 26	th1-2018/04/30	asl4-2018/05/01
pH	6.78	S.U.	0.01	EPA 9045	jsa6-2018/04/10	asl4-2018/04/11

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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	As Received	Units	Limit	Method	Method		
Sample ID: CE Gypsum Test 1 Lab Number: 2796282 (cont)							
Arsenic (total)	< 5.0	mg/kg	5.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Cadmium (total)	< 0.50	mg/kg	0.50	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Chromium (total)	1.74	mg/kg	1.00	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Cobalt (total)	< 1.00	mg/kg	1.00	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Copper (total)	3.4	mg/kg	1.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Mercury (total)	< 0.05	mg/kg	0.05	EPA 7471		com2-2018/05/01	bab2-2018/05/02
Molybdenum (total)	< 1.0	mg/kg	1.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Nickel (total)	< 1.0	mg/kg	1.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Lead (total)	< 5.0	mg/kg	5.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Selenium (total)	< 10.0	mg/kg	10.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02
Zinc (total)	5.6	mg/kg	2.0	EPA 6010		ras7-2018/05/02	bab2-2018/05/02

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Sample(s) was prepared for EPA 6010 analysis by EPA 3050b.
This report was reissued on 2018-05-03 11:00:29 by asl4 for the following reason:
[added per client.
All results are reported on an AS RECEIVED basis., ppm = parts per million, ppm = mg/kg

For questions please contact:

Rob Ferris
Account Manager
rferris@midwestlabs.com (402)829-9871

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