

KIRBY MEMORIAL HEALTH CENTER

71 N. Franklin Street, Wilkes-Barre, PA 18701-1391 (570)823-5450 FAX: (570)825-9926 PADEP #40-115

Crayon Rocks LLC

December 19, 2014

Attn: Barbara Lee 7053 Vernon Road, Hestand, KY 42151

DATE RECEIVED:

November 17, 2014

SAMPLE DESCRIPTION:

Composite of 6 Crayon Samples

ANALYSIS REQUESTED:

Soluble Heavy Metals

RESULTS:

Sample ID Number	Sample Description	Test	Result	Date/Analyst	Method
			(ug/g)		
ACM14-0753-1	Composite of 6	Aluminum	1.00	12-2-14; MP	A
	Crayon Samples*	Antimony	< 0.20	12-2-14; MP	A
	(Brown, Tan,	Arsenic	< 0.20	12-2-14; MP	A
	Winter Red, Red,	Barium	110	12-2-14; MP	A
	Orange Dark Yellow)	Boron	< 25.0	12-3-14; JM	В
		Cadmium	< 0.20	12-2-14; MP	A
		Chromium	< 0.20	12-2-14: MP	Α
		Cobalt	< 0.20	12-2-14; MP	A
		Copper	< 0.20	12-2-14; MP	Α
		Lead	< 0.20	12-2-14; MP	A
		Managanese	0.90	12-2-14; MP	A
		Mercury	< 0.20	12-2-14; MP	· A
		Nickel	< 0.20	12-2-14; MP	A
		Selenium	< 0.20	12-2-14; MP	A
		Strontium	3.00	12-3-14; JM	В
		Tin	< 0.50	12-12-14; JGY	(A**
	•	Zinc	0.35	12-2-14; MP	Α

^{*}Composite sample prepared by the laboratory.

^{**}Analysis Subcontracted

ANALYSIS REPORT Revision 1 Page 2 of 2

METHOD: EN-71 Part 3 (July 2013)

(1.0 grams of sample per 50ml 0.07 N HCI)

METHOD OF ANALYSIS:

A. EPA 200.8 (ICP-MS)

B. EPA 200-7 (ICP)

Reviewed, Approved, and Respectfully Submitted by:

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Crayon Rocks LLC

December 23, 2014

Attn: Barbara Lee 7053 Vernon Road, Hestand, KY 42151

DATE RECEIVED:

November 17, 2014

SAMPLE DESCRIPTION:

Composite of 5 Crayon Samples

ANALYSIS REQUESTED:

Soluble Heavy Metals

RESULTS:

Sample ID Number	Sample Description	<u>Test</u>	Result	Date/Analyst	Method
ACM14-0753-2	Composite of 5 Crayon Samples* (Black, White	Aluminum Antimony Arsenic	(ug/g) 35.5 <0.20 <0.20	12-2-14; MP 12-2-14; MP 12-2-14; MP	A A A
	Light Yellow, Purple, Dark Blue)	Barium Boron	<0.20 <0.20 <25.0	12-2-14; MP 12-3-14; JM	A B
	ruipie, Dark Brue)	Cadmium Chromium	<0.20	12-2-14; MP 12-2-14: MP	A A
		Cobalt	< 0.20	12-2-14; MP	A
		Copper Lead	<0.20	12-2-14; MP 12-2-14; MP	A A
		Managanese Mercury	0.20 <0.20	12-2-14; MP 12-2-14; MP	A A
		Nickel Selenium Strontium	<0.20 <0.20 <2.50	12-2-14; MP 12-2-14; MP 12-3-14; JM	A A B
		Tin Zińc	<0.50 0.55	12-12-14; JGY 12-2-14; MP	A** A

^{*}Composite sample prepared by the laboratory.

^{**}Analysis Subcontracted

METHOD:

EN-71 Part 3 (July 2013)

(1.0 grams of sample per 50ml 0.07 N HCI)

METHOD OF ANALYSIS:

A. EPA 200.8 (ICP-MS)

B. EPA 200-7 (ICP)

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Hestand, KY 42151

December 23, 2014

DATE RECEIVED:

November 17, 2014

SAMPLE DESCRIPTION:

Composite of 2 Crayon Samples

ANALYSIS REQUESTED:

Soluble Heavy Metals

RESULTS:

Sample ID Number	Sample Description	<u>Test</u>	Result	Date/Analyst	Method
			(ug/g)		
ACM14-0753-3	Composite of 2	Aluminum	79.5	12-2-14; MP	Α
	Crayon Samples*	Antimony	< 0.20	12-2-14; MP	A
	(Silver, Winter	Arsenic	< 0.20	12-2-14; MP	A
	Green)	Barium	< 0.20	12-2-14; MP	A
		Boron	<25.0	12-3-14; JM	$^{\circ}\mathrm{B}$
		Cadmium	< 0.20	12-2-14; MP	A
		Chromium	0.30	12-2-14: MP	A
		Cobalt	< 0.20	12-2-14; MP	A
		Copper	< 0.20	12-2-14; MP	A
		Lead	< 0.20	12-2-14; MP	Α
		Managanese	0.35	12-2-14; MP	A
		Mercury	< 0.20	12-2-14; MP	A
		Nickel	< 0.20	12-2-14; MP	Α
		Selenium	< 0.20	12-2-14; MP	Α
		Strontium	2.50	12-3-14; JM	В
		Tin	< 0.50	12-12-14; JGY	A**
		Zinc	0.30	12-2-14; MP	A

^{*}Composite sample prepared by the laboratory.

^{**}Analysis Subcontracted

ANALYSIS REPORT Revision 1 Page 2 of 2

METHOD: EN-71 Pa

EN-71 Part 3 (July 2013)

(1.0 grams of sample per 50ml 0.07 N HCI)

METHOD OF ANALYSIS:

A. EPA 200.8 (ICP-MS)

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