



**TOYTESTINGLAB**

Independent Testing for Your Products

A DIVISION OF RE ANALYTICAL

## Executive Summary

Crazy Aaron's Puttyworld  
Ms. Amanda Cunningham  
201 Sabine Avenue, Suite 100  
Narberth, PA 19072

Date Received: 01/10/2013

Date Reported: 01/25/2013

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WO#: 1301-00856

Product: Electric Colors Thinking Putty – Lapis, Lilac, Electric Blue, Electric Green, Emerald Green

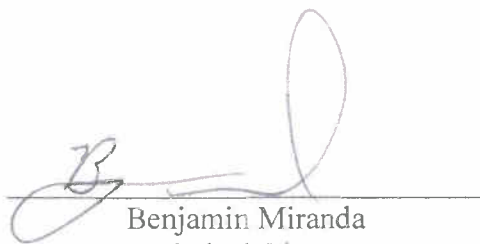
ToyTestingLab has completed CPSIA, ASTM F963-11, EN-71 & REACH compliance testing of this product. The following regulations were applied:

- CPSIA requirements for Total Lead and Phthalates
- ASTM F963-11 Section 4.3.5 – Soluble Heavy Metals analysis
- Flammability Requirements of ASTM F963-11 Section 4.2, Annex A5
- EN 71 Part 3: Migration of Certain Elements\*
- EU REACH Regulation 1907/2006 Annex XVII requirements for Total Cadmium and Phthalates
- EN 71-2:2011: Flammability

\*Note: The limits which go into effect in 2013 were applied, however, the product was not analyzed for Chromium VI or Organic Tin.

**ToyTestingLab has determined this product to Pass** the requirements for the above mentioned sections of the regulations.

Certificate of analysis and all testing results are included in the attached report. Should you have any questions or concerns regarding the testing of this product please contact ToyTestingLab at 401-562-1323.



Benjamin Miranda  
Technical Director



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## CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld  
201 Sabine Avenue, Suite 100  
Narberth, PA 19072

Attn: Ms. Amanda Cunningham

**Date Received:** 1/10/13  
**Date Reported:** 1/25/13  
**P.O. #:**  
**Work Order #:** 1301-00856

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### DESCRIPTION: ELECTRIC COLORS THINKING PUTTY

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Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

References: 16 CFR, part 1303, ASTM E 1645, ASTM E 1613, CPSC-CH-E1001-08, CPSC-CH-E1002-08, CPSC-CH-C1001-09.3, CPSC-CH-E1003-09.1, ASTM F963-11 and EN-71. The specific methodologies are listed in the methods column of the Certificate of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

The Certificate of Analysis shall not be reproduced except in full, without written approval of ToyTestingLab. Results relate only to samples submitted to the laboratory for analysis.

Test results are not blank corrected.

CPSC Identification # 1097 and A2LA Number: 2815.01, 2815.02

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

We certify that the following results are true and accurate to the best of our knowledge:

  
Benjamin Miranda  
Technical Director

enc: Chain of Custody

## ToyTestingLab

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## CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 001

SAMPLE DESCRIPTION: LAPIS ELECTRIC PUTTY - 2" TIN &amp; 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.8	4.8	ppm	ICP	1/16/13	JRW
Lead	<19	19	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.07	6.07	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.30	0.30	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Toxic Element						
Aluminum	<6.07	6.07	mg/kg	ICP	1/16/13	JRW
Antimony	<6.07	6.07	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Boron	66.4	6.07	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.30	0.30	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.07	6.07	mg/kg	ICP	1/16/13	JRW
Copper	<6.07	6.07	mg/kg	ICP	1/16/13	JRW
Manganese	<6.07	6.07	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Nickel	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Strontium	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Tin	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Zinc	<1.2	1.2	mg/kg	ICP	1/16/13	JRW

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Date Received: 1/10/13

Work Order #: 1301-00856

Note 1: Sample is in compliance with CPSIA lead limit of 100 ppm in substrate material effective August 14, 2011.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

Note 3: Sample is in compliance with the allowable concentrations of soluble metals in clay-like material according to Section 4.3.5 of ASTM F963-11. The limits are as follows:

Soluble Metal	Allowable Concentration mg/kg
Antimony	60
Arsenic	25
Barium	250
Cadmium	50
Chromium	25
Lead	90
Mercury	25
Selenium	500

Note 4: Sample is in compliance with the following EN71 Part 3 limits of element migration in dry, brittle, powder-like or pliable toy materials which go into effect in 2013:

Toxic Element	Allowable Concentration mg/kg
Aluminum	5625
Antimony	45
Arsenic	3.8
Barium	4500
Boron	1200
Cadmium	1.9
Chromium	37.5
Cobalt	10.5
Copper	622.5
Lead	13.5
Manganese	1200
Mercury	7.5
Nickel	75
Selenium	37.5
Strontium	4500
Tin	15000
Zinc	3750

Note 5: Sample was not analyzed for Chromium VI or Organic Tin.

The < sign denotes not detected.

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**CERTIFICATE OF ANALYSIS**

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 002

**SAMPLE DESCRIPTION:** LILAC ELECTRIC PUTTY - 2" TIN & 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.6	4.6	ppm	ICP	1/16/13	JRW
Lead	<19	19	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.09	6.09	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.30	0.30	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Toxic Element						
Aluminum	<6.09	6.09	mg/kg	ICP	1/16/13	JRW
Antimony	<6.09	6.09	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Boron	54.4	6.09	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.30	0.30	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.09	6.09	mg/kg	ICP	1/16/13	JRW
Copper	<6.09	6.09	mg/kg	ICP	1/16/13	JRW
Manganese	<6.09	6.09	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Nickel	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Strontium	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Tin	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Zinc	<1.2	1.2	mg/kg	ICP	1/16/13	JRW

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Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Note 1: Sample is in compliance with CPSIA lead limit of 100 ppm in substrate material effective August 14, 2011.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

Note 3: Sample is in compliance with the allowable concentrations of soluble metals in clay-like material according to Section 4.3.5 of ASTM F963-11. The limits are as follows:

Soluble Metal	Allowable Concentration mg/kg
Antimony	60
Arsenic	25
Barium	250
Cadmium	50
Chromium	25
Lead	90
Mercury	25
Selenium	500

Note 4: Sample is in compliance with the following EN71 Part 3 limits of element migration in dry, brittle, powder-like or pliable toy materials which go into effect in 2013:

Toxic Element	Allowable Concentration mg/kg
Aluminum	5625
Antimony	45
Arsenic	3.8
Barium	4500
Boron	1200
Cadmium	1.9
Chromium	37.5
Cobalt	10.5
Copper	622.5
Lead	13.5
Manganese	1200
Mercury	7.5
Nickel	75
Selenium	37.5
Strontium	4500
Tin	15000
Zinc	3750

Note 5: Sample was not analyzed for Chromium VI or Organic Tin.

The < sign denotes not detected.

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Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 003

**SAMPLE DESCRIPTION:** ELECTRIC BLUE ELECTRIC PUTTY - 2" TIN & 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.5	4.5	ppm	ICP	1/16/13	JRW
Lead	<18	18	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.12	6.12	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.31	0.31	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Toxic Element						
Aluminum	<6.12	6.12	mg/kg	ICP	1/16/13	JRW
Antimony	<6.12	6.12	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	48.1	6.12	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.31	0.31	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.12	6.12	mg/kg	ICP	1/16/13	JRW
Copper	<6.12	6.12	mg/kg	ICP	1/16/13	JRW
Manganese	<6.12	6.12	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Nickel	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Strontium	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Tin	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Zinc	<1.2	1.2	mg/kg	ICP	1/16/13	JRW

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**CERTIFICATE OF ANALYSIS**

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Note 1: Sample is in compliance with CPSIA lead limit of 100 ppm in substrate material effective August 14, 2011.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

Note 3: Sample is in compliance with the allowable concentrations of soluble metals in clay-like material according to Section 4.3.5 of ASTM F963-11. The limits are as follows:

Soluble Metal	Allowable Concentration mg/kg
Antimony	60
Arsenic	25
Barium	250
Cadmium	50
Chromium	25
Lead	90
Mercury	25
Selenium	500

Note 4: Sample is in compliance with the following EN71 Part 3 limits of element migration in dry, brittle, powder-like or pliable toy materials which go into effect in 2013:

Toxic Element	Allowable Concentration mg/kg
Aluminum	5625
Antimony	45
Arsenic	3.8
Barium	4500
Boron	1200
Cadmium	1.9
Chromium	37.5
Cobalt	10.5
Copper	622.5
Lead	13.5
Manganese	1200
Mercury	7.5
Nickel	75
Selenium	37.5
Strontium	4500
Tin	15000
Zinc	3750

Note 5: Sample was not analyzed for Chromium VI or Organic Tin.

The < sign denotes not detected.



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## CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 004

SAMPLE DESCRIPTION: ELECTRIC GREEN ELECTRIC PUTTY - 2" TIN &amp; 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.6	4.6	ppm	ICP	1/16/13	JRW
Lead	<18	18	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.14	6.14	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.31	0.31	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Toxic Element						
Aluminum	<6.14	6.14	mg/kg	ICP	1/16/13	JRW
Antimony	<6.14	6.14	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	63.9	6.14	mg/kg	ICP	1/16/13	JRW
Barium	<0.61	0.61	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.31	0.31	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.14	6.14	mg/kg	ICP	1/16/13	JRW
Copper	<6.14	6.14	mg/kg	ICP	1/16/13	JRW
Manganese	<6.14	6.14	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.061	0.061	mg/kg	CVAA	1/17/13	JRW
Nickel	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Strontium	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Tin	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Zinc	<1.2	1.2	mg/kg	ICP	1/16/13	JRW

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**CERTIFICATE OF ANALYSIS**

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Note 1: Sample is in compliance with CPSIA lead limit of 100 ppm in substrate material effective August 14, 2011.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

Note 3: Sample is in compliance with the allowable concentrations of soluble metals in clay-like material according to Section 4.3.5 of ASTM F963-11. The limits are as follows:

Soluble Metal	Allowable Concentration mg/kg
Antimony	60
Arsenic	25
Barium	250
Cadmium	50
Chromium	25
Lead	90
Mercury	25
Selenium	500

Note 4: Sample is in compliance with the following EN71 Part 3 limits of element migration in dry, brittle, powder-like or pliable toy materials which go into effect in 2013:

Toxic Element	Allowable Concentration mg/kg
Aluminum	5625
Antimony	45
Arsenic	3.8
Barium	4500
Boron	1200
Cadmium	1.9
Chromium	37.5
Cobalt	10.5
Copper	622.5
Lead	13.5
Manganese	1200
Mercury	7.5
Nickel	75
Selenium	37.5
Strontium	4500
Tin	15000
Zinc	3750

Note 5: Sample was not analyzed for Chromium VI or Organic Tin.

The < sign denotes not detected.

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## CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 005

SAMPLE DESCRIPTION: EMERALD GREEN ELECTRIC PUTTY - 2" TIN &amp; 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.7	4.7	ppm	ICP	1/16/13	JRW
Lead	<19	19	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.18	6.18	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Barium	<0.62	0.62	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.31	0.31	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Lead	<2.5	2.5	mg/kg	ICP	1/16/13	JRW
Mercury	<0.062	0.062	mg/kg	CVAA	1/17/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Toxic Element						
Aluminum	<6.18	6.18	mg/kg	ICP	1/16/13	JRW
Antimony	<6.18	6.18	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	62.2	6.18	mg/kg	ICP	1/16/13	JRW
Barium	<0.62	0.62	mg/kg	ICP	1/16/13	JRW
Cadmium	<0.31	0.31	mg/kg	ICP	1/16/13	JRW
Chromium	<1.8	1.8	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.18	6.18	mg/kg	ICP	1/16/13	JRW
Copper	<6.18	6.18	mg/kg	ICP	1/16/13	JRW
Manganese	<6.18	6.18	mg/kg	ICP	1/16/13	JRW
Lead	<2.5	2.5	mg/kg	ICP	1/16/13	JRW
Mercury	<0.062	0.062	mg/kg	CVAA	1/17/13	JRW
Nickel	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Strontium	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Tin	<1.2	1.2	mg/kg	ICP	1/16/13	JRW
Zinc	<1.2	1.2	mg/kg	ICP	1/16/13	JRW

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**CERTIFICATE OF ANALYSIS**

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Note 1: Sample is in compliance with CPSIA lead limit of 100 ppm in substrate material effective August 14, 2011.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

Note 3: Sample is in compliance with the allowable concentrations of soluble metals in clay-like material according to Section 4.3.5 of ASTM F963-11. The limits are as follows:

Soluble Metal	Allowable Concentration mg/kg
Antimony	60
Arsenic	25
Barium	250
Cadmium	50
Chromium	25
Lead	90
Mercury	25
Selenium	500

Note 4: Sample is in compliance with the following EN71 Part 3 limits of element migration in dry, brittle, powder-like or pliable toy materials which go into effect in 2013:

Toxic Element	Allowable Concentration mg/kg
Aluminum	5625
Antimony	45
Arsenic	3.8
Barium	4500
Boron	1200
Cadmium	1.9
Chromium	37.5
Cobalt	10.5
Copper	622.5
Lead	13.5
Manganese	1200
Mercury	7.5
Nickel	75
Selenium	37.5
Strontium	4500
Tin	15000
Zinc	3750

Note 5: Sample was not analyzed for Chromium VI or Organic Tin.

The < sign denotes not detected.

## ToyTestingLab

A Division of R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 006

SAMPLE DESCRIPTION: GLOSS COATING OVER CMYK PRINT - STICKERS

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.0	4.0	ppm	ICP	1/22/13	JRW
Lead	<16	16	ppm	ICP	1/22/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<23.5	23.5	mg/kg	ICP	1/21/13	JRW
Arsenic	<12	12	mg/kg	ICP	1/21/13	JRW
Barium	<2.4*	2.4	mg/kg	ICP	1/21/13	JRW
Cadmium	<1.2	1.2	mg/kg	ICP	1/21/13	JRW
Chromium	<7.0	7.0	mg/kg	ICP	1/21/13	JRW
Lead	<9.4	9.4	mg/kg	ICP	1/21/13	JRW
Mercury	<0.24	0.24	mg/kg	CVAA	1/22/13	JRW
Selenium	<47	47	mg/kg	ICP	1/21/13	JRW
Toxic Element						
Aluminum	291	23.5	mg/kg	ICP	1/21/13	JRW
Antimony	<23.5	23.5	mg/kg	ICP	1/21/13	JRW
Arsenic	<12	12	mg/kg	ICP	1/21/13	JRW
Boron	<23.5	23.5	mg/kg	ICP	1/21/13	JRW
Barium	2.8	2.4	mg/kg	ICP	1/21/13	JRW
Cadmium	<1.2	1.2	mg/kg	ICP	1/21/13	JRW
Chromium	<7.0	7.0	mg/kg	ICP	1/21/13	JRW
Cobalt	<23.5	23.5	mg/kg	ICP	1/21/13	JRW
Copper	<23.5	23.5	mg/kg	ICP	1/21/13	JRW
Manganese	<23.5	23.5	mg/kg	ICP	1/21/13	JRW
Lead	<9.4	9.4	mg/kg	ICP	1/21/13	JRW
Mercury	<0.24	0.24	mg/kg	CVAA	1/22/13	JRW
Nickel	<4.7	4.7	mg/kg	ICP	1/21/13	JRW
Selenium	<47	47	mg/kg	ICP	1/21/13	JRW
Strontium	88	4.7	mg/kg	ICP	1/21/13	JRW
Tin	8.0	4.7	mg/kg	ICP	1/21/13	JRW
Zinc	32	4.7	mg/kg	ICP	1/21/13	JRW

**ToyTestingLab**

A Division of R.I. Analytical Laboratories, Inc.

**CERTIFICATE OF ANALYSIS****Crazy Aaron's Puttyworld**

Date Received: 1/10/13

Work Order #: 1301-00856

Note 1: Sample is in compliance with CPSIA lead limit of 90 ppm in surface coating material effective August 14, 2009.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

Note 3: Sample is in compliance with the allowable concentrations of soluble metals according to Section 4.3.5 of ASTM F963-11. The limits are as follows:

Soluble Metal	Allowable Concentration mg/kg
Antimony	60
Arsenic	25
Barium	250
Cadmium	50
Chromium	25
Lead	90
Mercury	25
Selenium	500

\* Result was adjusted by subtracting the analytical correction factor prescribed by Section 8.3.4.3 of the method.

Note 4: Sample is in compliance with the following EN71 Part 3 limits of element migration in scraped off toy material which go into effect in 2013:

Toxic Element	Allowable Concentration mg/kg
Aluminum	70000
Antimony	560
Arsenic	47
Barium	56000
Boron	15000
Cadmium	23
Chromium	460
Cobalt	130
Copper	7700
Lead	160
Manganese	15000
Mercury	94
Nickel	930
Selenium	460
Strontium	56000
Tin	180000
Zinc	46000

Note 5: Sample was not analyzed for Chromium VI or Organic Tin.

The < sign denotes not detected.

## ToyTestingLab

A Division of R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 007

SAMPLE DESCRIPTION: METAL STORAGE CONTAINER COMPONENTS - 2" TIN &amp; 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.5	4.5	ppm	ICP	1/22/13	JRW
Lead	<18	18	ppm	ICP	1/22/13	JRW

Note 1: Sample is in compliance with CPSIA lead limit of 100 ppm in substrate material effective August 14, 2011.

Note 2: Sample is in compliance with the EU REACH Regulation 1907/2006 Annex XVII Item 23 cadmium limit of 100 ppm.

The < sign denotes not detected.

Sample # 008

SAMPLE DESCRIPTION: ALL COLORED PUTTIES COMPOSITE

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
PHTHALATE ANALYSIS						
Bis(2-ethylhexyl)phthalate (DEHP)	<0.01	0.01	%	GC/MS	1/24/13	TCL
Di-n-butyl phthalate (DBP)	<0.01	0.01	%	GC/MS	1/24/13	TCL
Butylbenzyl phthalate (BBP)	<0.01	0.01	%	GC/MS	1/24/13	TCL
Di-n-octyl phthalate (DNOP)	<0.01	0.01	%	GC/MS	1/24/13	TCL
Diisononyl phthalate (DINP)	<0.02	0.02	%	GC/MS	1/24/13	TCL
Diisodecyl phthalate (DIDP)	<0.02	0.01	%	GC/MS	1/24/13	TCL
Di-n-hexyl phthalate (DnHP)	<0.01	0.01	%	GC/MS	1/24/13	TCL

\* Sample analyzed is a 32 color composite from the Metallic Colors, Super Illusions, Primary Colors, Electric Colors, Glow in the Dark, Hyper Colors, Crystal Clear & Creatures product lines.

Note 1: All Phthalates tested are in compliance with CPSIA limits of 0.1% effective February 10, 2009.

Note 2: Sample is in compliance with the Phthalate requirements set forth in Annex XVII Items 51 & 52 of EU REACH Regulation (EC) No. 1907/2006 which requires <0.1 % by mass.

The < sign denotes not detected.

**ToyTestingLab**

A Division of R.I. Analytical Laboratories, Inc.

**CERTIFICATE OF ANALYSIS**

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00856

Sample # 009

**SAMPLE DESCRIPTION:** ELECTRIC COLORS THINKING PUTTY

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Flammability	DNS			ASTM F963-11 A5	1/24/13	BMM
Flammability	DNS			EN71 Part 2	1/24/13	BMM

Note 1: DNS = Does not sustain flame.

Note 2: Sample is in compliance with the burn rate limit of 0.1 in/s established by Section 4.2 and Annex A5 of ASTM F963-11.

Note 3: Sample meets the requirements of EN71 Part 2: Flammability, as it was not found to be a highly flammable solid



ToyTestingLab  
A Division of R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Client: Crazy Aaron's Puttyworld  
Work Order No. 1301-00856  
Date Received: 1/10/13

Approved by: \_\_\_\_\_

ToyTestingLab

Product: ELECTRIC COLORS THINKING PUTTY



**Independent Teaching for Your Products**  
A DIVISION OF PR ANALYTICAL

**Product Information Required:**

**Date of Manufacture:**

**SKU or Item Number:**

**SKU or Item Number:**

**Tracking Number:**

## Electric Colors Thinking Putty

**\*\* Please refer to quotation for specific list of testing requirements**

Lab Use Only

Workorder No. 1321-00856