



TOYTESTINGLAB

Independent Testing for Your Products

A DIVISION OF RI 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

WO#: 1301-00855

Product: Primary Colors Thinking Putty – Blue, Purple, Red, Orange, Hot Pink, Yellow, Black

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 #: 1301-00855

DESCRIPTION: PRIMARY COLORS THINKING PUTTY

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 #: 1301-00855

Sample # 001

SAMPLE DESCRIPTION: PURPLE PRIMARY PUTTY - 2" TIN & 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	90.3	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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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 #: 1301-00855

Sample # 002

SAMPLE DESCRIPTION: BLUE PRIMARY PUTTY - 2" TIN & 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.2	4.2	ppm	ICP	1/16/13	JRW
Lead	<17	17	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.04	6.04	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Barium	<0.60	0.60	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	<0.060	0.060	mg/kg	CVAA	1/17/13	JRW
Selenium	<12	12	mg/kg	ICP	1/16/13	JRW
Toxic Element						
Aluminum	<6.04	6.04	mg/kg	ICP	1/16/13	JRW
Antimony	<6.04	6.04	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Boron	89.2	6.04	mg/kg	ICP	1/16/13	JRW
Barium	<0.60	0.60	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	<6.04	6.04	mg/kg	ICP	1/16/13	JRW
Copper	<6.04	6.04	mg/kg	ICP	1/16/13	JRW
Manganese	<6.04	6.04	mg/kg	ICP	1/16/13	JRW
Lead	<2.4	2.4	mg/kg	ICP	1/16/13	JRW
Mercury	<0.060	0.060	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 #: 1301-00855

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 #: 1301-00855

Sample # 003

SAMPLE DESCRIPTION: RED PRIMARY PUTTY - 2" TIN & 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	<6.22	6.22	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	<1.9	1.9	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	<6.22	6.22	mg/kg	ICP	1/16/13	JRW
Antimony	<6.22	6.22	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	80.8	6.22	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	<1.9	1.9	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.22	6.22	mg/kg	ICP	1/16/13	JRW
Copper	<6.22	6.22	mg/kg	ICP	1/16/13	JRW
Manganese	<6.22	6.22	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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Date Received: 1/10/13

Work Order #: 1301-00855

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 #: 1301-00855

Sample # 004

SAMPLE DESCRIPTION: ORANGE PRIMARY PUTTY - 2" TIN & 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	<6.16	6.16	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	<6.16	6.16	mg/kg	ICP	1/16/13	JRW
Antimony	<6.16	6.16	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	106	6.16	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	<6.16	6.16	mg/kg	ICP	1/16/13	JRW
Copper	<6.16	6.16	mg/kg	ICP	1/16/13	JRW
Manganese	<6.16	6.16	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 #: 1301-00855

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 #: 1301-00855

Sample # 005

SAMPLE DESCRIPTION: HOT PINK PRIMARY PUTTY - 2" TIN & 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.2	4.2	ppm	ICP	1/16/13	JRW
Lead	<17	17	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.20	6.20	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	<1.9	1.9	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	<6.20	6.20	mg/kg	ICP	1/16/13	JRW
Antimony	<6.20	6.20	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	71.6	6.20	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	<1.9	1.9	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.20	6.20	mg/kg	ICP	1/16/13	JRW
Copper	<6.20	6.20	mg/kg	ICP	1/16/13	JRW
Manganese	<6.20	6.20	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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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 #: 1301-00855

Sample # 006

SAMPLE DESCRIPTION: YELLOW PRIMARY 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	<18	18	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.11	6.11	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	<6.11	6.11	mg/kg	ICP	1/16/13	JRW
Antimony	<6.11	6.11	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.0	3.0	mg/kg	ICP	1/16/13	JRW
Boron	75.3	6.11	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	<6.11	6.11	mg/kg	ICP	1/16/13	JRW
Copper	<6.11	6.11	mg/kg	ICP	1/16/13	JRW
Manganese	<6.11	6.11	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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A Division of R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00855

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 #: 1301-00855

Sample # 007

SAMPLE DESCRIPTION: BLACK PRIMARY PUTTY - 2" TIN & 4" TIN

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
METAL ANALYSIS						
Cadmium	<4.4	4.4	ppm	ICP	1/16/13	JRW
Lead	<18	18	ppm	ICP	1/16/13	JRW
ASTM F963 Soluble Heavy Metals						
Antimony	<6.21	6.21	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	<1.9	1.9	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	<6.21	6.21	mg/kg	ICP	1/16/13	JRW
Antimony	<6.21	6.21	mg/kg	ICP	1/16/13	JRW
Arsenic	<3.1	3.1	mg/kg	ICP	1/16/13	JRW
Boron	80.2	6.21	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	<1.9	1.9	mg/kg	ICP	1/16/13	JRW
Cobalt	<6.21	6.21	mg/kg	ICP	1/16/13	JRW
Copper	<6.21	6.21	mg/kg	ICP	1/16/13	JRW
Manganese	<6.21	6.21	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 #: 1301-00855

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 #: 1301-00855

Sample # 008

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

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Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00855

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.

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CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00855

Sample # 009

SAMPLE DESCRIPTION: METAL STORAGE CONTAINER COMPONENTS - 2" TIN & 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 # 010

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	0.02	%	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.

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CERTIFICATE OF ANALYSIS

Crazy Aaron's Puttyworld

Date Received: 1/10/13

Work Order #: 1301-00855

Sample # 011

SAMPLE DESCRIPTION: PRIMARY 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.

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CERTIFICATE OF ANALYSIS

Client: Crazy Aaron's Puttyworld
Work Order No. 1301-00855
Date Received: 1/10/13

Approved by: _____

ToyTestingLab

Product: PRIMARY COLORS THINKING PUTTY



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Product Information Required:

Date of Manufacture:
SKU or Item Number:
Tracking Number:

Sample Identification:

Primary Colors Thinking Putty

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

Analysis Requested

ASTM F963-11 Soluble Heavy Metals
CPSIA Lead Analysis
CPSIA Phthalate Analysis
ASTM F963-11 AS Flammability
Total Cadmium Analysis
EN71 Part 3 2013 Toxic Elements
REACH Phthalate Analysis
EN-71 Part 2 Flammability
REACH Cadmium Analysis

Primary Colors Thinking Putty

Client Information

Company Name: Crazy Aaron's Puttyworld
Address: 201 Sabine Avenue, Suite 100
City / State / Zip: Narberth, PA 19072
Telephone: 866.578.2845
Contact Person: Ms. Amanda Cunningham

Project Information

Project Name: Primary Colors Thinking Putty
P.O. Number:
Report To: Amanda Phone: Same Fax:
Email address: Amanda@puttyworld.com

Date	Time	Received By	Date	Time
1/10/13	9:40am	D. N. N.	1-10-13	11:00

Turn Around Time	Normal	EMAIL Report
X		
	5 Business days. Possible surcharge	
	Rush (business days)	

Project Comments

Lab Use Only

Workorder No:

1301-00853