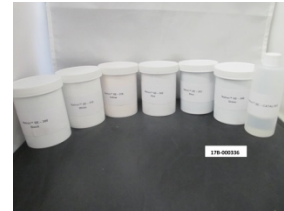


# TEST REPORT

Test Report # 17B-000336 Date of Report Issue: March 9, 2017  
Date of Sample Received: March 1, 2017 Pages: Page 1 of 12

## CLIENT INFORMATION:

Company: Boston Industrial Solutions, Inc.  
Recipient: Jayson French  
Recipient Email: info@bostonindustrialsolutions.com



## SAMPLE INFORMATION:

Description: Natron SE Series  
Assortment: 300 Black, 310 White, 315 Yellow, 352 Red, 333 Blue, 340 Green & Catalyst  
SKU/Style No.: -  
Factory/Supplier/Vendor: -  
Country of Distribution: -  
Quantity Submitted: 7 Containers (1 per color)  
Testing Period: 3/2/17 – 3/9/17  
Purchase Order Number: -  
Toy Co./Agency: -  
Country of Origin: -  
Labeled Age Grade: -  
Recommended Age Grade: -  
Tested Age Grade: -

## OVERALL RESULT:

**PASS**

Refer to page 2 for test result summary and appropriate notes.

ANSECO GROUP, LLC

David Ennis  
Manager, Chemical Laboratory



**TEST RESULT SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings
PASS	CPSIA Section 106 & ASTM F963-11 Section 4.3.5.1(2), Soluble Heavy Metals Content in Paints & Surface Coatings
PASS	ASTM F2923-14 Clause 8, Soluble Elements in Paint and Surface Coatings
PASS	The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children’s Jewelry and Childcare Articles
PASS	Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children’s Jewelry
PASS	Minnesota Chapter 347-S.F. No. 2510, Cadmium in Children's Jewelry
PASS	Maryland Chapter 578 (House Bill 145), Total Cadmium in Children’s Jewelry
PASS	Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Surface Coatings
PASS	Canadian Toys Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Section 23, Total Lead, Total Mercury and Leachable Metals in Surface Coatings
PASS	CPSIA Section 108, Phthalate Content, Mouthable (6)
PASS	Client Requirement, California Proposition 65, Phthalate Content (6)



**DETAILED RESULTS:**

**CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings**  
**CPSIA Section 106 & ASTM F963-11 Section 4.3.5.1(2), Soluble Heavy Metals Content in Paints & Surface Coatings**  
**ASTM F2923-14 Clause 8, Soluble Elements in Paint and Surface Coatings**  
**Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children’s Jewelry**  
**The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children’s Jewelry and Childcare Articles**  
**Minnesota Chapter 347-S.F. No. 2510, Cadmium in Children’s Jewelry**  
**Maryland Chapter 578 (House Bill 145), Total Cadmium in Children’s Jewelry**

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

	Specimen No.						
	1	2	3	4	5		
	Total Result	Total Result	Total Result	Total Result	Total Result		
Lead (Pb)	LT 5	LT 5	LT 5	LT 5	LT 5	<b>CPSIA Total Limit</b>	
						90 ppm	
Lead (Pb)	LT 5	LT 5	LT 5	LT 5	LT 5	<b>Illinois Total Limit</b>	
						40 ppm	
Cadmium (Cd)	LT 5	LT 5	LT 5	LT 5	LT 5	<b>Connecticut Total Limit</b>	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	LT 5	LT 5	LT 5	<b>Minnesota Total Limit</b>	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	LT 5	LT 5	LT 5	<b>Maryland Total Limit</b>	
						75 ppm	
	Total Result	Total Result	Total Result	Total Result	Total Result	<b>ASTM F963 Soluble Limits</b>	<b>ASTM F2923 Soluble Limits</b>
Antimony (Sb)	LT 5	LT 5	LT 5	LT 5	LT 5	60 ppm	60 ppm
Arsenic (As)	LT 5	LT 5	LT 5	LT 5	LT 5	25 ppm	25 ppm
Barium (Ba)	LT 5	LT 5	LT 5	LT 5	LT 5	1000 ppm	1000 ppm
Cadmium (Cd)	LT 5	LT 5	LT 5	LT 5	LT 5	75 ppm	75 ppm
Chromium (Cr)	LT 5	LT 5	LT 5	LT 5	LT 5	60 ppm	60 ppm
Lead (Pb)	LT 5	LT 5	LT 5	LT 5	LT 5	90 ppm	-
Mercury (Hg)	LT 5	LT 5	LT 5	LT 5	LT 5	60 ppm	60 ppm
Selenium (Se)	LT 5	LT 5	LT 5	LT 5	LT 5	500 ppm	500 ppm
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS		

LT = Less Than

Results are reported in parts per million (ppm)

**Note:** The total heavy metals results do not exceed the soluble heavy metals limits; therefore, further soluble analyses were not conducted.

*“The test result(s) and conclusion(s) in this report relate only to the sample(s) and method/regulation section(s) tested as described herein.”  
 Testing was performed in compliance with applicable regulations using appropriate testing protocols.*

*This test report may not be reproduced in whole or in part, without written approval of ANSECO Group, LLC. (RP-BF-RE001 Ver. 27)*

▲ *Non-accredited test. All other tests are accredited and meet the requirements of ISO 17025:2005 as verified by ANSI-ASQ/ACLASS (Certificate # AT-1407).*

**DETAILED RESULTS:**

**CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings**  
**CPSIA Section 106 & ASTM F963-11 Section 4.3.5.1(2), Soluble Heavy Metals Content in Paints & Surface Coatings**  
**ASTM F2923-14 Clause 8, Soluble Elements in Paint and Surface Coatings**  
**Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children’s Jewelry**  
**The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children’s Jewelry and Childcare Articles**  
**Minnesota Chapter 347-S.F. No. 2510, Cadmium in Children’s Jewelry**  
**Maryland Chapter 578 (House Bill 145), Total Cadmium in Children’s Jewelry**

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

	Specimen No.						
	6	7	-	-	-		
	Total Result	Total Result	Total Result	Total Result	Total Result		
Lead (Pb)	LT 5	LT 5	-	-	-	<b>CPSIA Total Limit</b>	
						90 ppm	
Lead (Pb)	LT 5	LT 5	-	-	-	<b>Illinois Total Limit</b>	
						40 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	<b>Connecticut Total Limit</b>	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	<b>Minnesota Total Limit</b>	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	<b>Maryland Total Limit</b>	
						75 ppm	
	Total Result	Total Result	Total Result	Total Result	Total Result	<b>ASTM F963 Soluble Limits</b>	<b>ASTM F2923 Soluble Limits</b>
Antimony (Sb)	LT 5	LT 5	-	-	-	60 ppm	60 ppm
Arsenic (As)	LT 5	LT 5	-	-	-	25 ppm	25 ppm
Barium (Ba)	LT 5	LT 5	-	-	-	1000 ppm	1000 ppm
Cadmium (Cd)	LT 5	LT 5	-	-	-	75 ppm	75 ppm
Chromium (Cr)	LT 5	LT 5	-	-	-	60 ppm	60 ppm
Lead (Pb)	LT 5	LT 5	-	-	-	90 ppm	-
Mercury (Hg)	LT 5	LT 5	-	-	-	60 ppm	60 ppm
Selenium (Se)	LT 5	LT 5	-	-	-	500 ppm	500 ppm
<b>Conclusion</b>	PASS	PASS	-	-	-		

LT = Less Than

Results are reported in parts per million (ppm)

**Note:** The total heavy metals results do not exceed the soluble heavy metals limits; therefore, further soluble analyses were not conducted.



**DETAILED RESULTS:**

**Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Surface Coatings**

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

	Specimen No.				<b>Total Limits</b>
	1	2	3	4	
	Total Result	Total Result	Total Result	Total Result	
Lead (Pb)	LT 5	LT 5	LT 5	LT 5	90 ppm
Mercury (Hg)	LT 5	LT 5	LT 5	LT 5	10 ppm
<b>Conclusion</b>	PASS	PASS	PASS	PASS	

LT = Less Than

Results are reported in parts per million (ppm)



**DETAILED RESULTS:**

**Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Surface Coatings**

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

	Specimen No.				Total Limits
	5	6	7	-	
	Total Result	Total Result	Total Result	Total Result	
Lead (Pb)	LT 5	LT 5	LT 5	-	90 ppm
Mercury (Hg)	LT 5	LT 5	LT 5	-	10 ppm
<b>Conclusion</b>	PASS	PASS	PASS	-	

LT = Less Than

Results are reported in parts per million (ppm)

**DETAILED RESULTS:**

**Canadian Toys Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Section 23, Total Lead, Total Mercury and Leachable Metals in Surface Coatings**

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

	Specimen No.						Total Limits
	1	2	3	4	5	6	
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	
Lead (Pb)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	90 ppm
Mercury (Hg)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	10 ppm
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	Leachable Limits
Antimony (Sb)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	1000 ppm
Arsenic (As)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	1000 ppm
Barium (Ba)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	1000 ppm
Cadmium (Cd)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	1000 ppm
Selenium (Se)	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	1000 ppm
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	PASS	

LT = Less Than

Results are reported in parts per million (ppm)

**Note:** The total metal results do not exceed the leachable limits, therefore leachable analyses were not conducted.

**DETAILED RESULTS:**

**Canadian Toys Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Section 23, Total Lead, Total Mercury and Leachable Metals in Surface Coatings**

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

	Specimen No.						Total Limits
	7	-	-	-	-	-	
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	
Lead (Pb)	LT 5	-	-	-	-	-	90 ppm
Mercury (Hg)	LT 5	-	-	-	-	-	10 ppm
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	Leachable Limits
Antimony (Sb)	LT 5	-	-	-	-	-	1000 ppm
Arsenic (As)	LT 5	-	-	-	-	-	1000 ppm
Barium (Ba)	LT 5	-	-	-	-	-	1000 ppm
Cadmium (Cd)	LT 5	-	-	-	-	-	1000 ppm
Selenium (Se)	LT 5	-	-	-	-	-	1000 ppm
<b>Conclusion</b>	PASS	-	-	-	-	-	

LT = Less Than

Results are reported in parts per million (ppm)

**Note:** The total metal results do not exceed the leachable limits, therefore leachable analyses were not conducted.



**DETAILED RESULTS:**

**CPSIA Section 108, Phthalate Content, Mouthable (6)  
Client Requirement, California Proposition 65, Phthalate Content (6)**

Analytical determination by GC/MS (Method: CPSC-CH-C1001-09.3)

Phthalate	Specimen No.					CPSIA Limits (%)	Client Limits (%)
	1	2	3	4	5		
Dibutyl Phthalate (DBP)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.1	0.1
Benzyl Butyl Phthalate (BBP)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.1	0.1
Di-(2-ethylhexyl) Phthalate (DEHP)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.1	0.1
Di-n-hexyl Phthalate (DnHP)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	-	0.1
Di-n-octyl Phthalate (DnOP)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.1	-
Diisononyl Phthalate (DINP)	LT 0.02	LT 0.02	LT 0.02	LT 0.02	LT 0.02	0.1	0.1
Diisodecyl Phthalate (DIDP)	LT 0.02	LT 0.02	LT 0.02	LT 0.02	LT 0.02	0.1	0.1
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS		

LT = Less Than  
Results reported as percent by weight

**DETAILED RESULTS:**

**CPSIA Section 108, Phthalate Content, Mouthable (6)  
Client Requirement, California Proposition 65, Phthalate Content (6)**

Analytical determination by GC/MS (Method: CPSC-CH-C1001-09.3)

Phthalate	Specimen No.					CPSIA Limits (%)	Client Limits (%)
	6	7	-	-	-		
Dibutyl Phthalate (DBP)	LT 0.01	LT 0.01	-	-	-	0.1	0.1
Benzyl Butyl Phthalate (BBP)	LT 0.01	LT 0.01	-	-	-	0.1	0.1
Di-(2-ethylhexyl) Phthalate (DEHP)	LT 0.01	LT 0.01	-	-	-	0.1	0.1
Di-n-hexyl Phthalate (DnHP)	LT 0.01	LT 0.01	-	-	-	-	0.1
Di-n-octyl Phthalate (DnOP)	LT 0.01	LT 0.01	-	-	-	0.1	-
Diisononyl Phthalate (DINP)	LT 0.02	LT 0.02	-	-	-	0.1	0.1
Diisodecyl Phthalate (DIDP)	LT 0.02	LT 0.02	-	-	-	0.1	0.1
<b>Conclusion</b>	PASS	PASS	-	-	-		

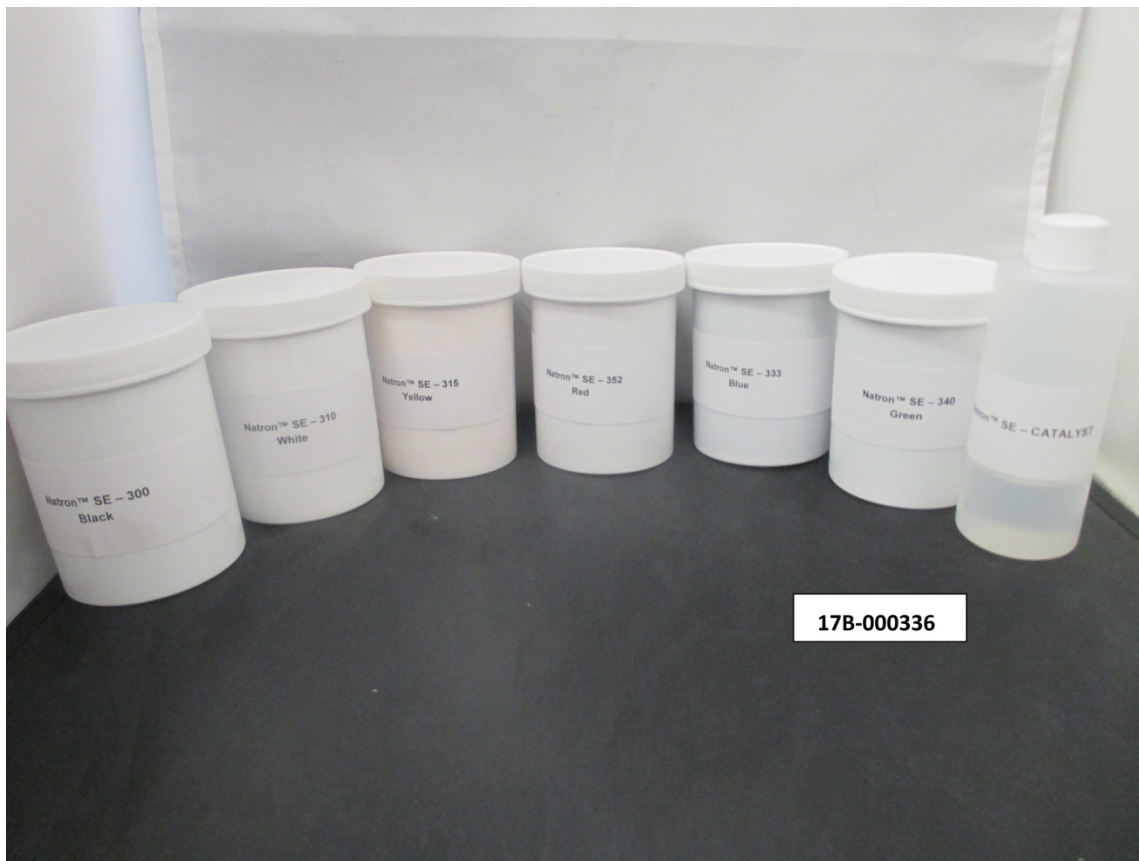
LT = Less Than  
Results reported as percent by weight



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description (Color)	Location
1	Black Ink	300 Black Wet Ink
2	White Ink	310 White Wet Ink
3	Yellow Ink	315 Yellow Wet Ink
4	Red Ink	352 Red Wet Ink
5	Blue Ink	333 Blue Wet Ink
6	Green Ink	340 Green Wet Ink
7	Catalyst	Liquid

**SAMPLE PHOTO:**



-End Report-