AT-1500

TEST REPORT

Test Report #	17H-005443	Date of Report Issue:	July 18, 2017
Date of Sample Received:	July 4, 2017	Pages:	Page 1 of 19

CLIENT INFORMATION:

Company:	Hit Promotional Products
Recipient:	Nathan Cotter
Recipient Email:	ncotter@hitpromo.net

SAMPLE INFORMATION:

Description:	Electroplate Spinner		
Assortment:	7 colors	Purchase Order Number:	212076
SKU No.:	0769	Agent:	Growth-Sonic
Factory No.:	127656	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style + 1 lot Dry paint	Requested Age Grade:	5+
Testing Period:	07/04/2017 – 07/06/2017 07/06/2017 – 07/10/2017 07/12/2017 – 07/14/2017 07/17/2017 – 07/18/2017	Tested Age Grade:	Over 5 years of age

OVERALL RESULT: **PASS**

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

ANSECO GROUP (HK) LIMITED

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

ANSECO GROUP (HK) LIMITED

Ricky Cheung Chin Yeung
Manager, Physical Laboratory

TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Total Elements Screening in Paint and Similar Surface Coatings
PASS	CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Soluble Elements in Paints and Similar Surface Coatings
PASS	CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Total Elements Screening in Substrate Materials
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195 & SOR/2016-302, Item 23 Leachable Elements in Paints and Surface Coatings
PASS	Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Paints and Surface Coatings
PASS	CPSIA Section 106, Mandatory Toy Safety Standard ASTM F963-16, Mechanical Hazards 16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards
PASS	16 CFR 1500.44 and ASTM F963-16, Section 4.2, Flammability of Solids
PASS	CPSIA Section 103, Tracking Labels for Children's Products[#]
PASS	Canadian Toy Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Mechanical Hazards Requirements
PASS	Canadian Toy Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Item 21 Celluloid or Cellulose Nitrate

Remark:
Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials was not conducted as no vinyl materials found on received sample.

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Total Elements Screening in Paint and Similar Surface Coatings

Test Method: ASTM F963-16 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+4	5+6	11	---	---	**Soluble**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Antimony (Sb)	ND	ND	ND	---	---	**60**
Total Arsenic (As)	ND	ND	ND	---	---	**25**
Total Barium (Ba)	ND	ND	ND	---	---	**1000**
Total Cadmium (Cd)	ND	ND	ND	---	---	**75**
Total Chromium (Cr)	ND	36	ND	---	---	**60**
Total Lead (Pb)	ND	ND	ND	---	---	**90**
Total Mercury (Hg)	ND	ND	ND	---	---	**60**
Total Selenium (Se)	ND	ND	ND	---	---	**500**
Conclusion	PASS	PASS	PASS	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit: Sb, As, Ba, Cd, Cr, Pb, Hg = 20 ppm; Se = 50 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The total heavy metals screening results of Specimen No. 1, 2 and 7 exceeded the soluble heavy metal limits, therefore separate soluble analyses were conducted.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Soluble Elements in Paints and Similar Surface Coatings

Test Method: ASTM F963-16 Clause 8.3.2
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	1	2	7	---	---	**Soluble Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Soluble Antimony (Sb)	ND	ND	ND	---	---	**60**
Soluble Arsenic (As)	ND	ND	ND	---	---	**25**
Soluble Barium (Ba)	ND	ND	ND	---	---	**1000**
Soluble Cadmium (Cd)	ND	ND	ND	---	---	**75**
Soluble Chromium (Cr)	ND	ND	ND	---	---	**60**
Soluble Lead (Pb)	ND	ND	ND	---	---	**90**
Soluble Mercury (Hg)	ND	ND	ND	---	---	**60**
Soluble Selenium (Se)	ND	ND	ND	---	---	**500**
Conclusion	PASS	PASS	PASS	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 2 ppm)

Remark:
Test portion of Specimen No. 1 found on single sample was 91.8 mg.

Specimen No. 11 was not tested due to specimen mass found on single sample less than 10 mg.

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Total Elements Screening in Substrate Materials

Test Method: ASTM F963-16 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Substrate Materials Other Than Modeling Clay

Specimen No.	8+9	---	---	---	---	**Soluble**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Antimony (Sb)	ND	---	---	---	---	**60**
Total Arsenic (As)	ND	---	---	---	---	**25**
Total Barium (Ba)	ND	---	---	---	---	**1000**
Total Cadmium (Cd)	ND	---	---	---	---	**75**
Total Chromium (Cr)	ND	---	---	---	---	**60**
Total Lead (Pb)	ND	---	---	---	---	**90**
Total Mercury (Hg)	ND	---	---	---	---	**60**
Total Selenium (Se)	ND	---	---	---	---	**500**
Conclusion	PASS	---	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit: Sb, As, Ba, Cd, Cr, Pb, Hg = 20 ppm; Se = 50 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The total heavy metals screening results do not exceed the soluble heavy metal limits, therefore, further soluble analyses were not conducted.

DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3+4	5+6	7	11	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3+4	5+6	7	11	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8+9	10	---	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	---	---	---	**100**
Conclusion	PASS	PASS	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

California Proposition 65, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8+9	10	---	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	---	---	---	**100**
Conclusion	PASS	PASS	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

DETAILED RESULTS:

CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		7	8+9	11	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	**1000**
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	**1000**
Conclusion		PASS	PASS	PASS	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		7	8+9	11	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	---	**1000**
Conclusion		PASS	PASS	PASS	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195 & SOR/2016-302, Item 23
Leachable Elements in Paints and Surface Coatings

Test Method: Health Canada Method C-03 (Effective 2014-02-20)
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	1	2	3	4	5	**Leachable**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Leachable Antimony (Sb)	ND	ND	ND	ND	ND	**1000**
Leachable Arsenic (As)	ND	ND	ND	ND	ND	**1000**
Leachable Barium (Ba)	ND	ND	ND	ND	ND	**1000**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	**1000**
Leachable Selenium (Se)	ND	ND	ND	ND	ND	**1000**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	11	---	---	**Leachable**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Leachable Antimony (Sb)	ND	ND	ND	---	---	**1000**
Leachable Arsenic (As)	ND	ND	ND	---	---	**1000**
Leachable Barium (Ba)	ND	ND	ND	---	---	**1000**
Leachable Cadmium (Cd)	ND	ND	ND	---	---	**1000**
Leachable Selenium (Se)	ND	ND	ND	---	---	**1000**
Conclusion	PASS	PASS	PASS	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 50 ppm)]

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

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

Test Method: ASTM F963-11 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3+4	5+6	7	11	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Total Mercury (Hg)	ND	ND	ND	ND	ND	**10**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 10ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
11	17H-005270	2	July 7, 2017

DETAILED RESULTS:

CPSIA Section 106, Mandatory Toy Safety Standard ASTM F963-16, Mechanical Hazards
16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Mechanical hazards evaluated as described in 16 CFR 1500.51-1500.53 and ASTM F963-16, as applicable.

Test	Observation	Conclusion
Impact	No Sharp Edge or Sharp Point	PASS
Torque	No Sharp Edge or Sharp Point	PASS
Tension	No Sharp Edge or Sharp Point	PASS

Other Applicable ASTM F963-16 Sections

Section	Test	Conclusion
4.1	Material Quality	PASS
4.7	Accessible Edges	PASS
4.9	Accessible Points	PASS

16 CFR 1500.44 and ASTM F963-16, Section 4.2, Flammability of Solids

Test	Observation	Conclusion
Flammability of Solids	The burn rate is less than 0.1 in/sec.	PASS

CPSIA Section 103, Tracking Labels for Children's Products#

Requirement	Observation	Conclusion
Manufacturer or private labeler listed, location & date of manufacture, including batch, run number and/or other identifying characteristics	Information was present.	PASS

DETAILED RESULTS:

Canadian Toy Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Mechanical Hazards Requirements

Test	Observation	Conclusion
Impact	No Sharp Edge or Sharp Point	PASS
Push/Pull	No Sharp Edge or Sharp Point	PASS

Section	Requirement	Conclusion
8	Metal Edges	PASS
10	Plastic Edges	PASS

Canadian Toy Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Item 21 Celluloid or Cellulose Nitrate

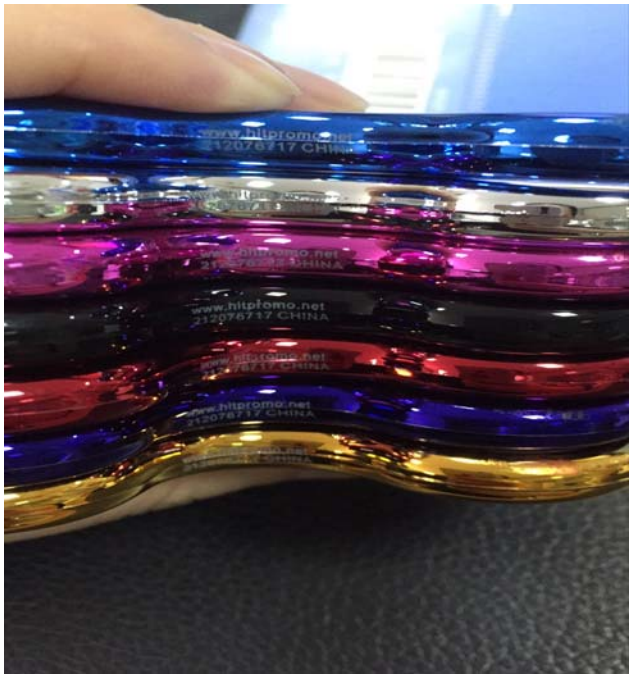
(Method: Visual Observation)

Test	Observation	Conclusion
Cellulose Nitrate	No visual signs of Cellulose Nitrate.	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Red/ slivery inseparable coating	On cap/ spinner (red/silver styles)
2	Yellow/ slivery inseparable coating	On cap/ spinner (yellow style)
3	Blue/ slivery inseparable coating	On cap/ spinner (blue style)
4	Purple/ slivery inseparable coating	On cap/ spinner (purple style)
5	Pink/ slivery inseparable coating	On cap/ spinner (pink style)
6	Black/ slivery inseparable coating	On cap/ spinner (black style)
7	Dull black coating	On wheels (all styles)
8	Black plastic	Cap (red/ yellow/ blue/ purple/ pink/ black styles)
9	White plastic	Spinner (all styles); cap (silver style)
10	Silvery metal	Wheels (all styles)
11	Silver coating	Tracking information (all styles)

DATE CODE PHOTO:



SAMPLE PHOTO:

-End Report-