



# TEST REPORT

Test Report # 17H-004083 Date of Report Issue: June 8, 2017  
 Date of Sample Received: May 25, 2017 Pages: Page 1 of 16

## CLIENT INFORMATION:

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



## SAMPLE INFORMATION:

Description:	Large Dart Rocket & Dart Rocket		
Assortment:	3 colors each	Purchase Order Number:	202900
SKU No.:	4056 & 4057	Agent:	Growth-Sonic
Factory No.:	127655	Country of Origin:	China
Country of Distribution:	United States, Canada	Labeled Age Grade:	-
Quantity Submitted:	Refer to Page 2	Recommended Age Grade:	Over 3 years of age
Testing Period:	05/25/2017 – 06/05/2017 06/08/2017 – 06/08/2017	Tested Age Grade:	Over 3 years of age

## OVERALL RESULT:



Refer to page 3 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

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)31858000

*The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.*

*The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.*

*This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.*

*ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.*

**QUANTITY SUBMITTED DETAILED:**

<b>Style description</b>	<b>Qty.</b>
Large Dart Rocket - red	6 pcs
Large Dart Rocket - green	6 pcs
Large Dart Rocket - blue	4 pcs
Dark Rocket - red	6 pcs
Dark Rocket - green	4 pcs
Dark Rocket - blue	8 pcs
Dry paint	1 lot

**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 Substrate Materials
PASS	CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	CPSIA Section 101, 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	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 <sup>#</sup>

**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.	7	8	9	10	11	Soluble Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Antimony (Sb)	ND	ND	ND	ND	ND	60
Total Arsenic (As)	ND	ND	ND	ND	ND	25
Total Barium (Ba)	49	52	ND	110	180	1000
Total Cadmium (Cd)	ND	ND	ND	ND	ND	75
Total Chromium (Cr)	ND	ND	ND	ND	ND	60
Total Lead (Pb)	ND	ND	ND	ND	ND	90
Total Mercury (Hg)	ND	ND	ND	ND	ND	60
Total Selenium (Se)	ND	ND	ND	ND	ND	500
<b>Conclusion</b>	PASS	PASS	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. 12 and 13 exceeded the soluble heavy metal limits, therefore a separate soluble analysis was conducted.

**DETAILED RESULTS:****CPSIA Section 106 & ASTM F963-16 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials**

Test Method: ASTM F963-16 Clause 8.3.5

Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	12	13	---	---	---	Soluble Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Soluble Antimony (Sb)	ND	ND	---	---	---	<b>60</b>
Soluble Arsenic (As)	ND	ND	---	---	---	<b>25</b>
Soluble Barium (Ba)	15	18	---	---	---	<b>1000</b>
Soluble Cadmium (Cd)	ND	ND	---	---	---	<b>75</b>
Soluble Chromium (Cr)	ND	ND	---	---	---	<b>60</b>
Soluble Lead (Pb)	ND	ND	---	---	---	<b>90</b>
Soluble Mercury (Hg)	ND	ND	---	---	---	<b>60</b>
Soluble Selenium (Se)	ND	ND	---	---	---	<b>500</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 2 ppm)

**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	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	90
<b>Conclusion</b>	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.



**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.	5+6	7	8	9	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	<b>100</b>
<b>Conclusion</b>	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.

**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	10	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	460	ND	460	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	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.



**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.		11	12	13	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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
<b>Conclusion</b>		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.

**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	10	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	460	ND	460	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	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.

**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.		11	12	13	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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
<b>Conclusion</b>		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.

**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
4.21	Projectile Toys	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 or equal to 0.1 in/sec.	PASS



**DETAILED RESULTS:**

**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

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Yellow/ green inseparable coating	On dart (Large Dart – green/ Dark Dart - green styles)
2	Blue/ light blue inseparable coating	On dart (Large Dart – blue/ Dark Dart - blue styles)
3	Silver/ green/ white inseparable coating	On dart (all styles)
4	White/ red/ black inseparable coating	Tracking code (all styles)/ On dart (Large Dart – red/ all Dark Dart styles)
5	Yellow foam	Head of dart (Large Dart – green style)
6	White foam	Head of dart (Large Dart – red/ Large Dart – blue / all Dark Dart styles)
7	Black foam	Body of dart (all styles)
8	Black plastic	End of dart (all styles)
9	White plastic	Inner body (all Large Dart styles)
10	Yellow/ green printed yellow foam	Dart (Large Dart – green/ Dark Dart - green styles)
11	Blue/ light blue printed white foam	Dart (Large Dart – blue/ Dark Dart - blue styles)
12	Silver/ green/ white printed white foam	Dart (all styles)
13	White/ red/ black printed white foam	Dart (all styles)



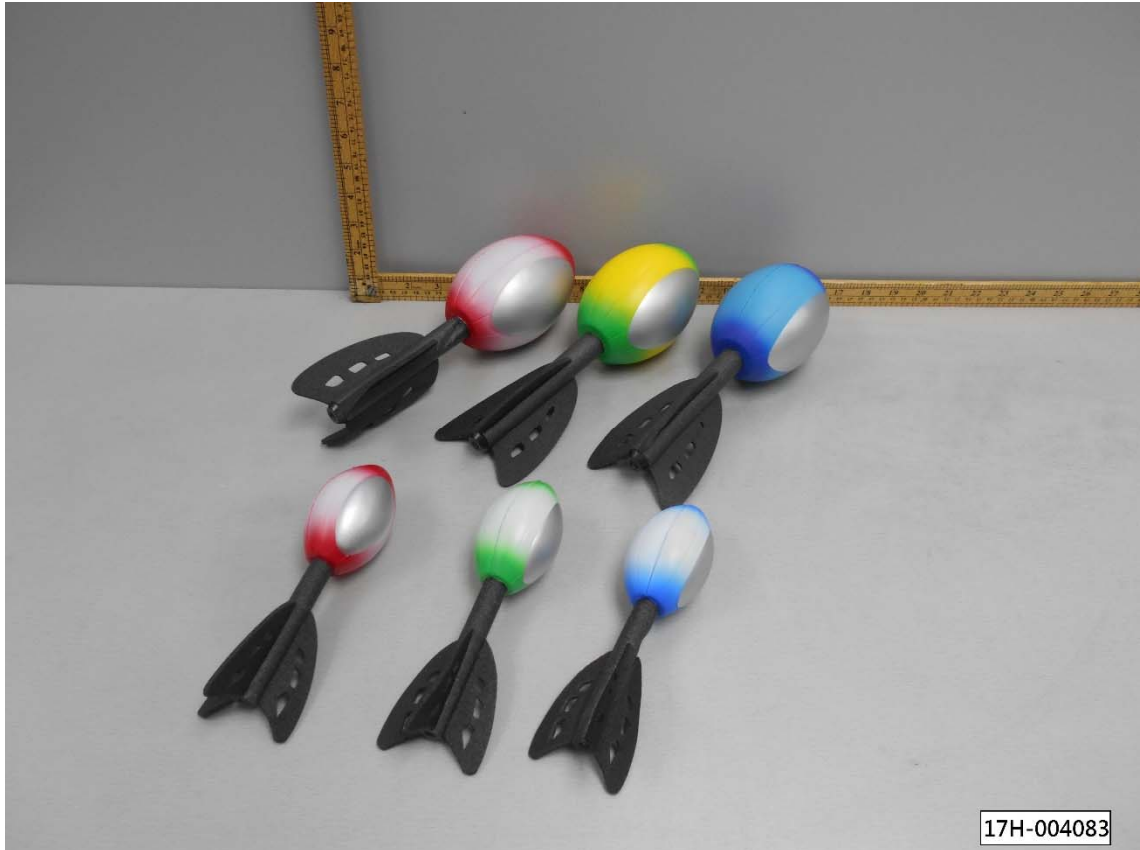
**DATE CODE PHOTO:**



**P01**



**SAMPLE PHOTO:**



-End Report-