



CONSUMER PRODUCTS SERVICES DIVISION

COUNTERPOINT / DIGISPEC

Technical Report: (5117)121-0189
Date Received: May 01, 2017

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MONIQUE FAVREAU
DIGISPEC / COUNTER POINT
6355 SUNSET CORPORATE DRIVE
LAS VEGAS, NV 89120
UNITED STATES

Sample Description:	MATS / MOUSE PADS	Sample Size:	66
Vendor:	COUNTER POINT / DIGISPEC	Style No(s):	N/A
Manufacturer:	COUNTER POINT / DIGISPEC	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	NOT PRESENT	Ref #:	N/A
Appropriate Age Grade:	NOT REQUESTED	Country of Origin:	UNITED STATES
Client Specified Age	3+	Assortment No.:	N/A
Grade:			
Tested Age Grade:	CHILDREN PRODUCTS, OVER 3 YEARS OF AGE		
UPC Code:	N/A		

EXECUTIVE SUMMARY:

The sample(s) MEET the following requirement(s):

- The BBP, DBP & DEHP content requirements by composite testing of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates.
- The DNOP, DIDP & DINP content requirements by composite testing of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates.
- The DEHP content requirements of the client's specification.
- The heavy metals content analysis for heavy metals content in surface coating requirements of ASTM F963-11, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.
- The mechanical hazards requirements of 16 CFR 1500, "Federal Hazardous Substances Act Regulations".
- The flammability requirements of 16 CFR 1500.3(c)(6)(vi), "Flammable solid" (FHSA regulations).
- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The total lead content of 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The heavy metals content analysis for heavy metals content in substrate requirements of ASTM F963-11, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.

Bureau Veritas
Consumer Products Services, Inc.
100 Northpointe Parkway
Buffalo, NY 14228-1884 USA
Tel 716.505.3300 Fax 716.505.3301
website:cps.bureauveritas.com

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- Note: According to ASTM F963-11, "Standard consumer safety specification on toy safety", Annex A10.10.1.5, exemption were granted to paper and paperboard. Therefore, the heavy metals content in substrate analysis of paper of ASTM F963-11, Section 4.3.5.2(2)(b) was not conducted.
- Note: According to the associated documents of Consumer Product Safety Improvement Act (CPSIA) of 2008, exemptions were granted to certain materials or products, such as natural materials / paper and similar materials / CMYK process printing inks / metal & alloys / electronics devices components / ordinary books / dyed & undyed textiles. Therefore, the lead content analysis of paper was not conducted.

Note: Data has been transferred from BVCPS Technical Report (5117)025-0127.

BVCPS Buffalo Contact Information for this Report:

Administrative Questions: Christine Kinney Phone: 716-505-3449 christine.kinney@us.bureauveritas.com
Technical Questions: Daniel Warf Phone: 716-505-3325 daniel.warf@us.bureauveritas.com

Bureau Veritas
Consumer Products Services, Inc.

Daniel Warf
Product Test Engineer,
Toy and Juvenile Products Department

/AS



RESULTS:

**PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES BY COMPOSITE TESTING
 (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain
 Products Containing Specified Phthalates - BBP / DBP / DEHP CONTENT)**

Test Method: With reference to U. S. CPSC-CH-C1001-09.3 (April 1, 2010).

Sample Identity	Color / Component	Location	Style
A	All color coating with paper	Calendar paper (MPLO12-aircraftpost, MPCCO-exploreasian)	See location
B	Clear coating with paper	Calendar base (MPLO12-aircraftpost, MPCCO- exploreasian) Mouse pad base (FFR7-NAEYC)	See location
C	Clear/white thin plastic backed adhesive	Krystex surface	K81117-azek
D	Clear thin plastic backed print backed adhesive	Vynex surface (NY8-teledyne, FF87-Communit 355082, FF612-Lowes)	See location
E	Black soft plastic	Base (FF87-Communit 355082, FF612-Lowes, N88-Rodda)	See location
F	Black soft plastic	Base (FL68-Honda, NG12-Poker, ND7-Codel)	See location
G	Black rubber	Base	NY8-teldyne
H	Black/white thin plastic with adhesive	Base	NR8-Fiore
I	Grey foam	Base	NM1419-Redneck
J	White thin plastic with all color print paper backed adhesive	Peel and place base	NP8-Midtown



PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES BY COMPOSITE TESTING
 (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain
 Products Containing Specified Phthalates - BBP / DBP / DEHP CONTENT) *(continued)*

Analyte:	BBP	DBP	DEHP	
Limit (%):	0.1	0.1	0.1	

Analyte	BBP	DBP	DEHP	Conclusion
Sample	Result (%)			
A	LT 0.005	LT 0.005	0.006	Pass
B	LT 0.005	LT 0.005	LT 0.005	Pass
C	LT 0.005	LT 0.005	LT 0.005	Pass
D	LT 0.005	LT 0.005	LT 0.005	Pass
E	LT 0.005	LT 0.005	LT 0.005	Pass
F	LT 0.005	LT 0.005	LT 0.005	Pass
G	LT 0.005	LT 0.005	LT 0.005	Pass
H	LT 0.005	LT 0.005	LT 0.005	Pass
I	LT 0.005	LT 0.005	LT 0.005	Pass
J	LT 0.005	LT 0.005	LT 0.005	Pass

Detection Limit :

BBP = Butyl benzyl phthalate (0.005%)
 DBP = Dibutyl phthalate (0.005%)
 DEHP = Di(2-ethylhexyl) phthalate (0.005%)

Results reported in percentage
 LT = Less than
 ND = None detected



**PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES BY COMPOSITE TESTING
 (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain
 Products Containing Specified Phthalates - DNOP / DINP / DIDP CONTENT)**

Test Method: With reference to U. S. CPSC-CH-C1001-09.3 (April 1, 2010).

Sample Identity	Color / Component	Location	Style
A	All color coating with paper	Calendar paper (MPLO12-aircraftpost, MPCCO-explorasian)	See location
B	Clear coating with paper	Claender base (MPLO12-aircraftpost, MPCCO- explorasian) Mouse pad base (FFR7-NAEYC)	See location
C	Clear/white thin plastic backed adhesive	Krystex surface	K81117-azek
D	Clear thin plastic backed print backed adhesive	Vynex surface (NY8-teledyne, FF87-Communit 355082, FF612-Lowes)	See location
E	Black soft plastic	Base (FF87-Communit 355082, FF612-Lowes, N88-Rodda)	See location
F	Black soft plastic	Base (FL68-Honda, NG12-Poker, ND7-Codel)	See location
G	Black rubber	Base	NY8-teldyne
H	Black/white thin plastic with adhesive	Base	NR8-Fiore
I	Grey foam	Base	NM1419-Redneck
J	White thin plastic with all color print paper backed adhesive	Peel and place base	NP8-Midtown



PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES BY COMPOSITE TESTING
 (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain
 Products Containing Specified Phthalates - DNOP / DINP / DIDP CONTENT) *(continued)*

Analyte:	DNOP	DINP	DIDP	
Limit (%):	0.1	0.1	0.1	

Analyte	DNOP	DINP	DIDP	Conclusion
Sample	Result (%)			
A	LT 0.005	LT 0.005	LT 0.005	Pass
B	LT 0.005	LT 0.005	LT 0.005	Pass
C	LT 0.005	LT 0.005	LT 0.005	Pass
D	LT 0.005	LT 0.005	LT 0.005	Pass
E	LT 0.005	LT 0.005	LT 0.005	Pass
F	LT 0.005	LT 0.005	LT 0.005	Pass
G	LT 0.005	LT 0.005	LT 0.005	Pass
H	LT 0.005	LT 0.005	LT 0.005	Pass
I	LT 0.005	LT 0.005	LT 0.005	Pass
J	LT 0.005	LT 0.005	LT 0.005	Pass

Detection Limit :

DNOP = Di-n-octyl phthalate (0.005%)
 DINP = Di-iso-nonyl phthalate (0.005%)
 DIDP = Di-iso-decyl phthalate (0.005%)

Results reported in percentage
 LT = Less than
 ND = None detected



CLIENT'S DEHP PHTHALATE CONTENT REQUIREMENT

Test Parameter:			DEHP		
Limit (%):			---		
	Color / Component	Location	Style	Result (%)	Conclusion
A.	All color coating with paper	Calendar paper (MPLO12-aircraftpost, MPCCO-exploreasian)	See location	0.006	Pass
B.	Clear coating with paper	Calender base (MPLO12-aircraftpost, MPCCO-exploreasian) Mouse pad base (FFR7-NAEYC)	See location	LT 0.005	Pass
C.	Clear/white thin plastic backed adhesive	Krystex surface	K81117-azek	LT 0.005	Pass
D.	Clear thin plastic backed print backed adhesive	Vynex surface (NY8-teledyne, FF87-Communit 355082, FF612-Lowes)	See location	LT 0.005	Pass
E.	Black soft plastic	Base (FF87-Communit 355082, FF612-Lowes, N88-Rodda)	See location	LT 0.005	Pass
F.	Black soft plastic	Base (FL68-Honda, NG12-Poker, ND7-Codel)	See location	LT 0.005	Pass
G.	Black rubber	Base	NY8-teldyne	LT 0.005	Pass
H.	Black/white thin plastic with adhesive	Base	NR8-Fiore	LT 0.005	Pass
I.	Grey foam	Base	NM1419-Redneck	LT 0.005	Pass
J.	White thin plastic with all color print paper backed adhesive	Peel and place base	NP8-Midtown	LT 0.005	Pass

Detection Limit :
 DEHP = Di(2-ethylhexyl) phthalate (0.005%)

Results reported in percentage
 GT = Greater than
 LT = Less than
 ND = None detected



TOTAL LEAD CONTENT IN SURFACE COATING BY COMPOSITE TESTING ("Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint", Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1003.09.1

Element:				Lead		
Requirement: Maximum allowable limit:				90 mg/kg		
Sample Description				Result (mg/kg)		Conclusion
Color / Component	Location	Style	Overall	Potential		
(A) Composite:						Pass
Clear coating	Base	MPL0-12-Aircraft post, MPCCD-Explore Asian and FFR7-NAEYC	LT 9.0	-		
Clear coating	Base					
Clear coating	Base					

LT = Less Than

** = Average of duplicate analyses*

mg/kg = milligrams per kilogram (ppm = parts per million)

Potential = Estimated lead content per component is based on calculation by component individual weight



ASTM F963-11 HEAVY METALS CONTENT IN SURFACE COATINGS – (Section 4.3)
Test Method: ASTM International Standard ASTM F963-11, Section 8.3 and Annex A7.

Sample Identity	Color	Location	Style
A. (T)	Composite: Clear coating Clear coating Clear coating	Base Base Base	MPLO-12-Aircraft post, MPCCD-Explore Asian and FFR7-NAEYC

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit (mg/kg) (S)	25	1000	75	60	60	90	60	500
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample	Result (mg/kg)								
A. (T)	LT 5.0	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)
LT = Less Than
(T) = Total analysis
(S) = Soluble analysis

As = Arsenic, Ba = Barium, Cd = Cadmium,
Cr = Chromium, Hg = Mercury, Pb = Lead,
Sb = Antimony, Se = Selenium

Remark:

On an initial analysis for total heavy metals content, any component of greater than 80% of the set soluble limit will require retesting with the soluble heavy metals analysis of ASTM F963-11



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TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead
Requirement: Maximum allowable limit:	100 mg/kg

Analyte	Sample Description			Lead (Pb)	Conclusion
	Color / Component	Location	Style	Result (mg/kg)	
(B)	Composite: Clear thin plastic/multicolor printed thin plastic/pearl white thin plastic Clear thin plastic/multicolor printed pearl white thin plastic with adhesive	Surface Surface	K81117-AZEK, NY8-Teledyne	LT 9.0	Pass
(C)	Composite: Clear thin plastic Clear thin plastic	Surface Surface	FF612-Lowes and FF87-Communit 355082	LT 9.0	Pass
(D)	Composite: Shiny black soft plastic Shiny black soft plastic Shiny black soft plastic	Base Base Base	FF612-Lowes, NG12-Poker and FF87 Communit 355082	LT 9.0	Pass
(E)	Composite: Shiny black soft plastic Shiny black soft plastic	Base Base	FL68-Honda and N88-Rodda	LT 9.0	Pass
(F)	Composite: Light black soft plastic Black soft plastic	Base Base	ND7-Codel and NY8-Teledyne	LT 9.0	Pass



TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008) (continued)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead
Requirement: Maximum allowable limit:	100 mg/kg

Analyte			Lead (Pb)	Conclusion
Sample Description			Result (mg/kg)	
	Color / Component	Location	Style	
(G)	Grey foam	Base	NM1419-Redneck	LT 9.0 Pass
(H)	Shiny black/white thin soft plastic	Base	NR8-Fiore	LT 9.0 Pass
(I)	Clear/multicolor printed white paper	Paper	MPCCO-explore Asian	LT 9.0 Pass
(J)	Multicolor printed white fabric with adhesive	Surface	BTR8-Universal	LT 9.0 Pass

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



ASTM F963-11 HEAVY METALS CONTENT IN SUBSTRATE – (Section 4.3)
Test Method: ASTM International Standard ASTM F963-11, Section 8.3 and Annex A7.

Sample Identity	Color	Location	Style
Type I: Substrate other than modeling clay			
A. (T)	Composite: Clear thin plastic/multicolor printed thin plastic/pearl white thin plastic Clear thin plastic/multicolor printed pearl white thin plastic with adhesive	Surface Surface	K81117-AZEK, NY8-Teledyne and
A-1. (S)	Clear thin plastic/multicolor printed thin plastic/pearl white thin plastic	Surface	K81117-AZEK,
A-2. (S)	Clear thin plastic/multicolor printed pearl white thin plastic with adhesive	Surface	NY8-Teledyne
B. (T)	Composite: Clear thin plastic Clear thin plastic	Surface Surface	FF612-Lowes and FF87-Communit 355082
B-1. (S)	Clear thin plastic	Surface	FF612-Lowes
B-2. (S)	Clear thin plastic	Surface	FF87-Communit 355082
C. (T)	Composite: Shiny black soft plastic Shiny black soft plastic Shiny black soft plastic	Base Base Base	FF612-Lowes, NG12-Poker and FF87 Communit 355082
D. (T)	Composite: Shiny black soft plastic Shiny black soft plastic	Base Base	FL68-Honda and N88-Rodda
D-1. (S)	Shiny black soft plastic	Base	FL68-Honda
D-2. (S)	Shiny black soft plastic	Base	N88-Rodda
E. (T)	Composite: Light black soft plastic Black soft plastic	Base Base	ND7-Codel and NY8-Teledyne
F. (T)	Grey foam	Base	NM1419-Redneck
G (T)	Shiny black/white thin soft plastic	Base	NR8-Fiore
H (T)	Clear/multicolor printed white paper	Paper	MPCCO-explore Asian
I (T)	Multicolor printed white fabric with adhesive	Surface	BTR8-Universal



ASTM F963-11 HEAVY METALS CONTENT IN SUBSTRATE – (Section 4.3) (continued)

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit Type I (mg/kg) (S)	25	1000	75	60	60	90	60	500
Max. Limit Type II (mg/kg) (S)	25	250	50	25	25	90	60	500
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample	Result (mg/kg)								
A. (T)	LT 5.0	4170	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	See individual results
A-1. (S)	-	LT 100	-	-	-	-	-	-	Pass
A-2. (S)	-	LT 100	-	-	-	-	-	-	Pass
B. (T)	LT 5.0	380	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	See individual results
B-1. (S)	-	LT 100	-	-	-	-	-	-	Pass
B-2. (S)	-	LT 100	-	-	-	-	-	-	Pass
C. (T)	LT 5.0	LT 100	LT 7.5	7.33	LT 6.0	LT 9.0	LT 6.0	LT 50	Pass
D. (T)	LT 5.0	486	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	See individual results
D-1. (S)	-	LT 100	-	-	-	-	-	-	Pass
D-2. (S)	-	LT 100	-	-	-	-	-	-	Pass
E. (T)	LT 5.0	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	Pass
F. (T)	LT 5.0	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	Pass
G. (T)	LT 5.0	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	Pass
H. (T)	LT 5.0	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	LT 6.0	LT 50	Pass
I. (T)	LT 5.0	LT 100	LT 7.5	LT 6.0	LT 6.0	LT 9.0	40.6	LT 50	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)
 LT = Less Than
 (T) = Total analysis
 (S) = Soluble analysis

As = Arsenic, Ba = Barium, Cd = Cadmium,
 Cr = Chromium, Hg = Mercury, Pb = Lead,
 Sb = Antimony, Se = Selenium



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Remark:

Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-11. The lead content analysis result of corresponding material herein if applicable is for client's reference only.

On an initial analysis for total heavy metals content, any component of greater than 80% of the set soluble limit will require retesting with the soluble heavy metals analysis of ASTM F963-11

EXHIBIT # 1



SAMPLE PRODUCT