



TEST REPORT

Test Report # 17H-006446 Date of Report Issue: September 4, 2017
 Date of Sample Received: August 25, 2017 Pages: Page 1 of 11

CLIENT INFORMATION:

Company: BIC Graphic
 Recipient: 14421 Myerlake Circle
 Clearwater
 Florida
 33760
 United States (USA)



SAMPLE INFORMATION:

Description:	Tool Stylus Pen	Purchase Order Number:	1596
Assortment:	-	Country of Origin:	China
Item No.:	21213	Labeled Age Grade:	-
Country of Distribution:	United States, Canada	Recommended Age Grade:	-
Quantity Submitted:	5 pcs per style	Tested Age Grade:	-
Testing Period:	08/25/2017 – 09/04/2017		

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

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TEST RESULTS 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 in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Metal / Plastic / Textile
PASS	CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	US Public Law 104-142 Title II, Mercury-Containing Battery Management Act [#]
PASS	Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195, Item 23 Total Lead and Mercury in Paints and Surface Coatings

**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.	4a	5a	6a	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	90
Conclusion	PASS	PASS	PASS	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 10 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
4a	Blue coating	Blue ABS plastic (body) (blue style)
5a	Red coating	Red ABS plastic (body) (red style)
6a	Silvery coating	Silver ABS plastic (body) (silver style)

**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.	4a	5a	6a	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	90
Conclusion	PASS	PASS	PASS	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 10 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
4a	Blue coating	Blue ABS plastic (body) (blue style)
5a	Red coating	Red ABS plastic (body) (red style)
6a	Silvery coating	Silver ABS plastic (body) (silver style)

**DETAILED RESULTS:****California Proposition 65, Total Lead in Metal / Plastic / Textile**

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.	1	2	3	4b	5b	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6b	7	8	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	100
Conclusion	PASS	PASS	PASS	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 10 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

Remark:

Specimen No. 5b (Red ABS plastic (body) (red style)) is same material as Specimen No. 4b.

Specimen No. 6b (Silver ABS plastic (body) (silver style)) is same material as Specimen No. 4b.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Clear plastic	Clear AS plastic light (all styles)
2	Gray plastic	Gray plastic on/off switch (all styles)
3	Black soft plastic	Black silicone stylus (all styles)
4b	Grey plastic	Blue ABS plastic (body) (blue style)
5b	Grey plastic	Red ABS plastic (body) (red style)
6b	Grey plastic	Silver ABS plastic (body) (silver style)
7	Black foam with adhesive	Black felt screen cleaner (all styles)
8	Silvery metal	Silver carbon steel tools (all styles)

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**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.		3	7	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	140	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	---	1000
Conclusion		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 = 100 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
3	Black soft plastic	Black silicone stylus (all styles)
7	Black foam with adhesive	Black felt screen cleaner (all styles)

**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.		3	7	---	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	140	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	---	---	1000
Conclusion		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 = 100 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
3	Black soft plastic	Black silicone stylus (all styles)
7	Black foam with adhesive	Black felt screen cleaner (all styles)

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**DETAILED RESULTS:****US Public Law 104-142 Title II, Mercury-Containing Battery Management Act**Test Method: AI | ANSECO Method[#]

Analytical Method: Atomic Absorption Spectrometry with Cold-Vapor Technique

Button cells

Specimen No.	9	---	---	---	---	Total Limit (mg/cell)
Test Item	Result (mg/cell)	Result (mg/cell)	Result (mg/cell)	Result (mg/cell)	Result (mg/cell)	
Total Mercury (Hg)	ND	---	---	---	---	25
Conclusion	PASS	---	---	---	---	

Note:

mg/cell = Milligrams per cell

LT = Less than

ND = Not detected (Reporting Limit = 1 mg/cell)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
9	Silvery button cell	Button cell battery (all styles)

**DETAILED RESULTS:****Canadian Toys Regulations SOR/2011-17 as Amended by SOR/2016-195, Item 23 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.	4a	5a	6a	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	---	---	90
Total Mercury (Hg)	ND	ND	ND	---	---	10
Conclusion	PASS	PASS	PASS	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 10 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
4a	Blue coating	Blue ABS plastic (body) (blue style)
5a	Red coating	Red ABS plastic (body) (red style)
6a	Silvery coating	Silver ABS plastic (body) (silver style)



SAMPLE PHOTO:



-End Report-