AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 1 of 10
cc to Email:	-	Date Received:	March 21, 2016

SAMPLE INFORMATION:

Description:	Zippers ~ Zip 5 White w/clip, Zip 5 White w/ring, Zip 5 Black w/ring, ZP50-13, ZP45-13, SL45-13		
Assortment:	-	Purchase Order Number:	-
SKU/style No.:	-	Toy Co./Agency:	-
Factory/Supplier/Vendor:	Numo Manufacturing	Country of Origin:	China, Taiwan, United States
Country of Distribution:	-	Labeled Age Grade:	-
Quantity Submitted:	1 lot Parts per style	Recommended Age Grade:	-
Testing Period:	03/21/2016 – 03/29/2016	Tested Age Grade:	-

OVERALL RESULT: **PASS**

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 & Surface Coatings
PASS	Client's Requirement, Total Cadmium in Paints and Similar Surface Coatings
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	Client's Requirement, Total Cadmium 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)

ANSECO GROUP (HK) LIMITED

Vincent Chow Wai Kit
Manager, Chemical Laboratory

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 2 of 10
cc to Email:	-	Date Received:	March 21, 2016

DETAILED RESULTS:

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

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced regulations. [Referenced Test Method: CPSC-CH-E-1003-09.1]

Specimen No.	1+2+3	---	---	---	---	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Pb	66	---	---	---	---	**90**
Conclusion	PASS	---	---	---	---	

Note:
Pb = Lead
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.

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 3 of 10
cc to Email:	-	Date Received:	March 21, 2016

DETAILED RESULTS:

Client's Requirement, Total Cadmium in Paints and Similar Surface Coatings

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced specification. [Referenced Test Method: ASTM F963-11 Clause 8.3.1]

Specimen No.	1+2+3	---	---	---	---	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Cd	ND	---	---	---	---	**40**
Conclusion	PASS	---	---	---	---	

Note:
Cd = Cadmium
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.

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 4 of 10
cc to Email:	-	Date Received:	March 21, 2016

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced regulation.
[Referenced Test Method: CPSC-CH-E1001-08.2 (Metal) and/or CPSC-CH-E1002-08.2 (Non-Metal)]

Specimen No.	4+5+6	7+8	9+10	11+12	13	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Pb	ND	ND	ND	ND	43	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14	15	16	17	18	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Pb	ND	ND	ND	32	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	19	20	21	22	---	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Pb	ND	ND	24	23	---	**100**
Conclusion	PASS	PASS	PASS	PASS	---	

Note:
Pb = Lead
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.

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 5 of 10
cc to Email:	-	Date Received:	March 21, 2016

DETAILED RESULTS:

Client's Requirement, Total Cadmium in Substrate Materials

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced specification. [Referenced Test Method: ASTM F963-11 Clause 8.3.1]

Specimen No.	4+5+6	7+8	9+10	11+12	13	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Cd	ND	ND	ND	ND	ND	**40**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14	15	16	17	18	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Cd	ND	ND	ND	ND	ND	**40**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	19	20	21	22	---	**Limit**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Total (ppm)**
Total Cd	ND	ND	ND	ND	---	**40**
Conclusion	PASS	PASS	PASS	PASS	---	

Note:
Cd = Cadmium
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.

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 6 of 10
cc to Email:	-	Date Received:	March 21, 2016

DETAILED RESULTS:

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

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	1+2+3	4+5+6	7+8	9+10	11+12	
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
DBP	LT 290	ND	ND	ND	ND	**1000**
BBP	LT 290	ND	ND	ND	ND	**1000**
DEHP	LT 290	ND	ND	ND	ND	**1000**
DnOP	LT 290	ND	ND	ND	ND	**1000**
DINP	LT 290	ND	ND	ND	ND	**1000**
DIDP	LT 290	ND	ND	ND	ND	**1000**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate;
DnOP = Di-n-octyl phthalate; DINP = Diisononyl phthalate; DIDP = Diisodecyl phthalate
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)
LT = Less than
ND = Not detected (Reporting Limit = 120 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 7 of 10
cc to Email:	-	Date Received:	March 21, 2016

DETAILED RESULTS:

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

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced specification. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	1+2+3	4+5+6	7+8	9+10	11+12	
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
DBP	LT 290	ND	ND	ND	ND	**1000**
BBP	LT 290	ND	ND	ND	ND	**1000**
DEHP	LT 290	ND	ND	ND	ND	**1000**
DINP	LT 290	ND	ND	ND	ND	**1000**
DIDP	LT 290	ND	ND	ND	ND	**1000**
DnHP	LT 290	ND	ND	ND	ND	**1000**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate;
DINP = Diisononyl phthalate; DIDP = Diisodecyl phthalate; DnHP = Di-n-hexyl phthalate
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)
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.

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 8 of 10
cc to Email:	-	Date Received:	March 21, 2016

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	White coating	On zipper head/ zipper puller (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring styles)
2	Black coating	On zipper head/ zipper puller (Zippers - Zip 5 Black w/ring/ Zippers - SL45-13 styles)
3	Dull black coating	On zipper head/ puller (Zippers - ZP50-13 style)
4	White plastic	Zipper teeth (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring styles)
5	Black plastic	Zipper teeth (Zippers - Zip 5 Black w/ring/ Zippers - ZP45-13 styles)
6	Dull black plastic	Zipper teeth (Zippers - ZP50-13 style)
7	White textile	Zipper tape (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring styles)
8	Black textile	Zipper tape (Zippers - Zip 5 Black w/ring/ Zippers - ZP45-13 styles)
9	Dull black textile	Zipper tape (Zippers - ZP50-13 style)
10	Matt black textile	Zipper tape (Zippers - ZP45-13 style)
11	White thread	Zipper teeth (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring styles)
12	Black thread	Zipper teeth (Zippers - Zip 5 Black w/ring/ Zippers - ZP50-13 styles)
13	Silvery metal	Zipper head (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring/ Zippers - Zip 5 Black w/ring/ Zippers - SL45-13 styles)
14	Dull silvery metal	Zipper puller (Zippers - Zip 5 White w/clip style)
15	Matt silvery metal	Top stop (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring/ Zippers - Zip 5 Black w/ring styles)

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 9 of 10
cc to Email:	-	Date Received:	March 21, 2016

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
16	Soft silvery metal	Bottom stop (Zippers - Zip 5 White w/clip/ Zippers - Zip 5 White w/ring/ Zippers - Zip 5 Black w/ring styles)
17	Bright silvery metal	Zipper puller (Zippers - Zip 5 White w/ring/ Zippers - Zip 5 Black w/ring styles)
18	Off silvery metal	Top stop (Zippers - ZP50-13 style)
19	Flat silvery metal	Bottom stop (Zippers - ZP50-13 style)
20	Light silvery metal	Zipper head (Zippers - ZP50-13 style)
21	Deep silvery metal	Zipper puller (Zippers - ZP50-13 style)
22	Shiny silvery metal	Zipper puller (Zippers - SL45-13 style)

AT-1500

TEST REPORT

Company:	Numo Manufacturing	Test Report #	16H-01237
Recipient:	Rebecca Williams	Date of Issue:	March 29, 2016
Recipient Email:	rwilliams@numomfg.com	Pages:	Page 10 of 10
cc to Email:	-	Date Received:	March 21, 2016

SAMPLE PHOTO:

-End Report-