



TEST REPORT

Test Report # 17H-004775 Date of Report Issue: August 14, 2017
 Date of Sample Received: June 13, 2017 Pages: Page 1 of 13

CLIENT INFORMATION:

Company: Polyconcept Hong Kong Ltd
 Recipient: Patrick Lam
 Recipient Email: patrick.lam@polyconceptgbs.com



SAMPLE INFORMATION:

Description:	Bullet/ HumphreyLine (16,32-oz. Sports Bottle)	Purchase Order Number:	-
Assortment:	-	Toy Co./Agency:	-
Article No.:	Refer to Page 2	Country of Origin:	United States
Vendor Name:	-	Labeled Age Grade:	-
Country of Distribution:	-	Requested Age Grade:	-
Quantity Submitted:	6 pcs per style	Tested Age Grade:	-
Testing Period:	07/18/2017 – 08/07/2017		

OVERALL RESULT:



Refer to page 3 for test result summary and appropriate notes.

ANSECO GROUP (HK) LIMITED



Loska Yeung LokKa
 Assistant Manager, Chemical 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.



ARTICLE NO. DETAILED:

Description	Article No.
16-oz. Sports Bottle	HL-16 GT
	HL-16 BK
	HL-16 RD
	HL-16 WH
	HL-16 YW
	HL-16 GR
	HL-16 BL
	HL-16 OR
	HL-16 NT
32-oz. Sports Bottle	HL-32 BL
	HL-32 YW
	HL-32 OR
	HL-32 GR
	HL-32 WH
	HL-32 GT
	HL-32 RD
	HL-32 BK
	HL-32 NT



TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	Client's Requirement, Bisphenol A [#]
PASS	FDA 21 CFR 177.1520, Polyethylene
PASS	Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates



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.	1	2	3+4+5	6+7	8	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.	9	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	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:

Client's Requirement, Bisphenol A

Test Method: AI|ANSECO Method#
Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		1	2	3	4	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		5	6	7	8	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		9	---	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	---	---	---	ND
Conclusion		PASS	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not Detected (Reporting Limit = 1 ppm)

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.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.933	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.948	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

%m/m= Percent by mass

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 2.1.



DETAILED RESULTS:

FDA 21 CFR 177.1520, Polyethylene

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.938	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.938	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	0.8	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	2.5	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

%m/m= Percent by mass

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.948	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	0.8	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	1.9	1.0	11.3
Conclusion			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.942	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

%m/m= Percent by mass

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			7	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.940	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	0.6	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	1.5	1.0	11.3
Conclusion			PASS		

Specimen No.			8	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.941	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

%m/m= Percent by mass

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 2.1.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polyethylene**

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.941	NA	0.85-1.00
n-Hexane extractive (% m/m)	50°C	2 hours	0.7	0.4	5.5
Xylene extractive (% m/m)	Reflux	2 hours	ND	1.0	11.3
Conclusion			PASS		

Note:

Temp. = Temperature

°C = Degree Celcius

g/cc = Grams per cubic centimeter

%m/m= Percent by mass

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 2.1.

**DETAILED RESULTS:****Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates**

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+4+5	6+7	8	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	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.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Translucent plastic (HDPE)	Body (HL-16 NT/ HL-32 NT styles)
2	Multicolor plastic (HDPE)	Body (HL-16 GT/ HL-32 GT styles)
3	Yellow plastic (HDPE)	Body (HL-16 YW/ HL-32 YW styles)
4	Red plastic (HDPE)	Body (HL-16 RD/ HL-32 RD styles)
5	White plastic (HDPE)	Body (HL-16 WH/ HL-32 WH styles)
6	Blue plastic (HDPE)	Body (HL-16 BL/ HL-32 BL styles)
7	Black plastic (HDPE)	Body (HL-16 BK/ HL-32 BK styles)
8	Green plastic (HDPE)	Body (HL-16 GR/ HL-32 GR styles)
9	Orange plastic (HDPE)	Body (HL-16 OR/ HL-32 OR styles)



Test Report #

17H-004775

Pages:

Page 13 of 13

SAMPLE PHOTO:



-End Report-

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.