

TEST REPORT

REPORT No.: R2DG1704062118E

Date: May 31, 2017

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DONGGUAN LIYANG TOYS LTD.
FLOOR 3, BUILDING 2, DAXINGWEI INDUSTRY, XIANXI, WUSHA, CHANG'AN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE.

Report on the submitted samples said to be:

Sample description : BL-05500 B Yours- Power Bullet- cerise / BL-05522 B Yours- Power Bullet- lime / BL-05501 B Yours- Power Bullet- plum / BL-05506 B Yours- Silver Power Bullet- black / BL-05511 B Yours- Silver Power Bullet- Nature / BL-05510 B Yours- Silver Bullet Mini- pink

Tested Style/ Items No.^① : BL-05500 B Yours- Power Bullet- cerise / BL-05522 B Yours- Power Bullet- lime / BL-05501 B Yours- Power Bullet- plum / BL-05506 B Yours- Silver Power Bullet- black / BL-05511 B Yours- Silver Power Bullet- Nature / BL-05510 B Yours- Silver Bullet Mini- pink

Additional Styles/ Items No.^② : BL-25500 cerise / BL-05300 cerise / BL-25522 lime / BL-05301 purple / BL-90873 beige / BL-90253 beige / BL-90257 latin / BL-10600 pink

Color : Cerise/ Lime/ Plum/ Black/ Nature/ Pink

Brand : Blush

Sample Receiving Date : April 6, 2017

Testing Period : From April 6, 2017 to May 11, 2017

Results : Please refer to next page(s).

Remark : ①The tested Style/ Item No. is tested by the lab. ②The Additional Styles/ Items No. declared in the applicant's declaration are not tested, their materials are the same as the tested parts and the result of the test report is only responsible for the test sample.

Signed for and on behalf of

BACL

Checked by: 

Jane Xu
Technical Supervisor

Approved by: 

William Wei
Laboratory Manager

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Bay Area Compliance Laboratories Corp. (Dongguan)

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Summary of Test Results)

TEST REQUEST

CONCLUSION

A	As specified by client, refer to US California Proposition 65. on Phthalates (DBP、BBP、DEHP、DnHP、DINP and DIDP) content(Tested parts are required partially by client)	Pass*
B	Phthalates (DBP、BBP、DEHP、DNOP、DINP and DIDP) content (Tested parts are required partially by client)	Pass*
C	As specified by client, refer to Commission Regulation (EU) 2015/2030 and (EU) No 519/2012 amending Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants - Alkanes, C10-13, Chloro (short chain chlorinated paraffins) content(Tested parts are required partially by client)	Pass*
D	Entry 23 of Regulation (EC) No 552/2009 and 494/2011 and 835/2012 and 2016/217 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Cadmium (Cd) (formerly known as 91/338/EEC)	Pass
E	Canada Products Containing Mercury Regulations (SOR/2014-254)	Pass
F	As specified by client, refer to Entry 50 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment directives on PAHs content (Tested parts are required partially by client)	Pass*
G	As specified by client, refer to Entry 20 of Regulation (EC) No 552/2009 and 276/2010 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Organostannic compounds (formerly known as 2002/62/EC and 2009/425/EC) (Tested parts are required partially by client)	Pass*

Pass*= Meet the Requirement of Client

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Results:

Tested part(s):

- | | |
|--|---|
| (1) Red plastic(case/knob, controller) ① | (31) Coppery metal(wire, controller) ①-⑥ |
| (2) Purple plastic(case/knob, controller) ② | (32) Red plated white plastic(case, vibrator) ① |
| (3) Pink plastic(case/knob, controller) ③ | (33) Purple plated white plastic(case, vibrator) ② |
| (4) Green plastic(case/knob, controller) ④ | (34) Translucent plastic(case, big motor)①-②.④-⑥ |
| (5) Black plastic(case/knob, controller) ⑤.⑥ | (35) Green plated white plastic(case, vibrator) ④ |
| (6) Red plastic(indicator)semi-product ①-⑥ | (36) Black plastic(case, vibrator) ⑤ |
| (7) Transparent plastic(wire plug) ①-⑥ | (37) White plastic(case, vibrator) ⑥ |
| (8) Red plastic(wire jacket) ① | (38) Black plastic(bottom case, small motor) ③ |
| (9) Purple plastic(wire jacket) ② | (39) Silvery metal(case, small motor) ③ |
| (10) Pink plastic(wire jacket) ③ | (40) Silvery metal(rotor, small motor) ③ |
| (11) Green plastic(wire jacket) ④ | (41) Coppery metal(coil, small motor) ③ |
| (12) Transparent plastic(wire jacket) ⑤.⑥ | (42) Silvery metal(shaft, small motor) ③ |
| (13) Coppery metal(wire) ①-④ | (43) Silvery metal(plate, small motor) ③ |
| (14) Silvery metal(wire) ⑤.⑥ | (44) Golden metal(shaft fixer, small motor) ③ |
| (15) Silvery metal(screw, controller) ①-⑥ | (45) Silvery metal(brush, small motor) ③ |
| (16) Silvery metal(big battery connector) ①-⑥ | (46) Golden metal with silvery solder (wire connector, big motor) ①-②.④-⑥ |
| (17) Silvery metal(small battery connector) ①-⑥ | (47) Silvery metal(case, big motor) ①-②.④-⑥ |
| (18) Silvery metal(spring, battery compartment) ①-⑥ | (48) Gunmetal metal(rotor, big motor) ①-②.④-⑥ |
| (19) Silvery metal(big screw, knob) ①-⑥ | (49) Silvery metal(shaft, big motor) ①-②.④-⑥ |
| (20) Silvery metal(small connector under knob) ①-⑥ | (50) Coppery metal(coil, big motor) ①-②.④-⑥ |
| (21) Silvery metal(square connector under knob) ①-⑥ | (51) Silvery metal(plate, big motor) ①-②.④-⑥ |
| (22) Gunmetal metal(spring, knob) ①-⑥ | (52) Bronze metal(shaft fixer, big motor) ①-②.④-⑥ |
| (23) Brown plastic(inner small motor) ③ | (53) Golden metal(brush, big motor) ①-②.④-⑥ |
| (24) Silvery metal(pin, indicator) ①-⑥ | (54) Gunmetal metal(spring, big motor) ①-②.④-⑥ |
| (25) Silvery metal(resistor wire, inside controller) ①-⑥ | (55) Gunmetal metal(big gasket, shaft, big motor) ①-②.④-⑥ |
| (26) Multicolor body(resistor, inside controller) ①-⑥ | (56) Golden metal(small gasket, shaft, big motor) ①-②.④-⑥ |
| (27) Yellow plastic(wire jacket, controller) ①.④ | (57) Red plastic(gasket, big motor) ①-②.④-⑥ |
| (28) LT. Red plastic(wire jacket, controller) ②.⑤.⑥ | |
| (29) White plastic(plate, big motor) ①-②.④-⑥ | |
| (30) Red plastic(wire jacket, controller) ③ | |

Remark : ① Cerise ② Plum ③ Pink ④ Lime ⑤ Black ⑥ Black/White

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A. As specified by client, refer to US California Proposition 65. On Phthalates (DBP, BBP, DEHP, DnHP, DINP and DIDP) content (Tested parts are required partially by client)

Test method: With reference to CPSC-CH-C1001-09.3, by solvent extraction and Analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	Unit	MDL	Results			Client's Limit
			(1)+(2)+(3)	(4)	(5)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	N.D.	0.1
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	N.D.	0.1
Di-n-hexyl Phthalate (DnHP)	%	0.003	N.D.	N.D.	N.D.	0.1
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	N.D.	0.1
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Client's Limit
			(6)	(7)+(8)+(9)	(10)+(11)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	N.D.	0.1
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	N.D.	0.1
Di-n-hexyl Phthalate (DnHP)	%	0.003	N.D.	N.D.	N.D.	0.1
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	N.D.	0.1
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

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Item	Unit	MDL	Results		Client's Limit
			(12)	(23)+(29)+(34)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	0.1
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	0.008	N.D.	0.1
Di-n-hexyl Phthalate (DnHP)	%	0.003	N.D.	N.D.	0.1
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	0.1
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

Item	Unit	MDL	Results		Client's Limit
			(27)	(28)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	0.1
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	0.1
Di-n-hexyl Phthalate (DnHP)	%	0.003	N.D.	N.D.	0.1
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	0.1
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

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Item	Unit	MDL	Results		Client's Limit
			(32)+(33)	(35)+(36)+(37)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	0.1
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	0.1
Di-n-hexyl Phthalate (DnHP)	%	0.003	N.D.	N.D.	0.1
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	0.1
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

Item	Unit	MDL	Results		Client's Limit
			(38)	(57)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	0.1
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	0.1
Di-n-hexyl Phthalate (DnHP)	%	0.003	N.D.	N.D.	0.1
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	0.1
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

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Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- The test result of sample (6) is shown retest result, and the retest sample was provided by client on May 8, 2017
- Sample (6) was tested by raw material according to the applicant's request, The applicant will undertake all differences and risk.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
- Photo is included.

B. Phthalates (DBP, BBP, DEHP, DNOP, DINP and DIDP) content
(Tested parts are required partially by client)

Test method: With reference to CPSC-CH-C1001-09.3, by solvent extraction and Analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	Unit	MDL	Results			Client's Limit
			(1)+(2)+(3)	(4)	(5)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	N.D.	---
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	N.D.	---
DBP + BBP + DEHP	%	/	N.D.	N.D.	N.D.	0.1
Di-n-octyl Phthalate (DNOP)	%	0.003	N.D.	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	N.D.	---
DNOP + DINP + DIDP	%	/	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

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Item	Unit	MDL	Results			Client's Limit
			(6)	(7)+(8)+(9)	(10)+(11)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	N.D.	---
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	N.D.	---
DBP + BBP + DEHP	%	/	N.D.	N.D.	N.D.	0.1
Di-n-octyl Phthalate (DNOP)	%	0.003	N.D.	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	N.D.	---
DNOP + DINP + DIDP	%	/	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results		Client's Limit
			(12)	(23)+(29)+(34)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	---
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	0.008	N.D.	---
DBP + BBP + DEHP	%	/	0.008	N.D.	0.1
Di-n-octyl Phthalate (DNOP)	%	0.003	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	---
DNOP + DINP + DIDP	%	/	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

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Item	Unit	MDL	Results		Client's Limit
			(27)	(28)	
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Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	---
DBP + BBP + DEHP	%	/	N.D.	N.D.	0.1
Di-n-octyl Phthalate (DNOP)	%	0.003	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	---
DNOP + DINP + DIDP	%	/	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

Item	Unit	MDL	Results		Client's Limit
			(32)+(33)	(35)+(36)+(37)	
Dibutyl Phthalate (DBP)	%	0.003	N.D.	N.D.	---
Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	---
DBP + BBP + DEHP	%	/	N.D.	N.D.	0.1
Di-n-octyl Phthalate (DNOP)	%	0.003	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	---
DNOP + DINP + DIDP	%	/	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

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Item	Unit	MDL	Results		Client's Limit
			(38)	(57)	
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Benzylbutyl Phthalate (BBP)	%	0.003	N.D.	N.D.	---
Bis-(2-ethylhexyl) Phthalate (DEHP)	%	0.003	N.D.	N.D.	---
DBP + BBP + DEHP	%	/	N.D.	N.D.	0.1
Di-n-octyl Phthalate (DNOP)	%	0.003	N.D.	N.D.	---
Diisononyl Phthalate (DINP)	%	0.01	N.D.	N.D.	---
Diisodecyl Phthalate (DIDP)	%	0.01	N.D.	N.D.	---
DNOP + DINP + DIDP	%	/	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- The results less than MDL are not taken into account while calculating the sum contents.
- The test result of sample (6) is shown retest result, and the retest sample was provided by client on May 8, 2017
- Sample (6) was tested by raw material according to the applicant's request, The applicant will undertake all differences and risk.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
- Photo is included.

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No.69, Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China
Tel: +86-769-86858888 Fax: +86-769-86858891

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C. As specified by client, refer to Commission Regulation (EU) 2015/2030 and (EU) No 519/2012 amending Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants - Alkanes, C10-13, Chloro (short chain chlorinated paraffins) content (Tested parts are required partially by client)

Test method: With reference to US EPA 3540C:1996/ US EPA 3550C:2007 & US EPA 8270D:2007, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Articles

Item	Unit	MDL	Results			Client's Limit
			(1)+(2)+(3)	(4)+(5)	(7)+(8)+(9)	
Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins)	%	0.01	N.D.	N.D.	N.D.	0.15
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Client's Limit
			(10)+(11)+(12)	(32)+(33)	(35)+(36)+(37)	
Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins)	%	0.01	N.D.	N.D.	N.D.	0.15
Conclusion	/	/	Pass	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- % = Percentage by weight
- mg/kg = ppm 0.1%=1000 mg/kg
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk
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D. Entry 23 of Regulation (EC) No 552/2009 and 494/2011 and 835/2012 and 2016/217 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Cadmium (Cd) (formerly known as 91/338/EEC)

Test method: With reference to EN1122:2001 and US EPA 3052:1996/ EPA 3050B:1996 & US EPA 6010C:2007, by acid digestion and analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrometry (AAS).

Item	Unit	MDL	Results			Limit
			(1)+(2)+(3)	(4)	(5)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(6)	(7)+(8)+(9)	(10)+(11)+(12)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results				Limit
			(13)	(14)	(15)	(16)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results				Limit
			(17)	(18)	(19)	(20)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results			Limit
			(21)	(22)	(23)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(24)	(25)	(26)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(27)+(28)	(29)+(30)	(31)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(32)+(33)+(34)	(35)+(36)+(37)	(38)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(39)	(40)	(41)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

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Item	Unit	MDL	Results			Limit
			(42)	(43)	(44)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(45)	(46)	(47)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(48)	(49)	(50)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit
			(51)	(52)	(53)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results				Limit
			(54)	(55)	(56)	(57)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- The test result of sample (6) is shown retest result, and the retest sample was provided by client on May 8, 2017
- Sample (6) was tested by raw material according to the applicant's request, The applicant will undertake all differences and risk.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
- Photo is included.

E、Canada Products Containing Mercury Regulations (SOR/2014-254)

Test method: With reference to IEC62321-4:2013, by acid digestion and analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES)

Items	Unit	MDL	Results			Limit
			(1)+(2)+(3)	(4)	(5)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(6)	(7)+(8)+(9)	(10)+(11)+(12)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

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Items	Unit	MDL	Results				Limit
			(13)	(14)	(15)	(16)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	Pass	/

Items	Unit	MDL	Results				Limit
			(17)	(18)	(19)	(20)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(21)	(22)	(23)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(24)	(25)	(26)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

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Items	Unit	MDL	Results			Limit
			(27)+(28)	(29)+(30)	(31)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(32)+(33)+(34)	(35)+(36)+(37)	(38)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(39)	(40)	(41)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(42)	(43)	(44)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

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Items	Unit	MDL	Results			Limit
			(45)	(46)	(47)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(48)	(49)	(50)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results			Limit
			(51)	(52)	(53)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Items	Unit	MDL	Results				Limit
			(54)	(55)	(56)	(57)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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Note:

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- MDL = Method Detection Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- The test result of sample (6) is shown retest result, and the retest sample was provided by client on May 8, 2017
- Sample (6) was tested by raw material according to the applicant's request, The applicant will undertake all differences and risk.
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
- Photo is included.

F. As specified by client, refer to Entry 50 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment directives on PAHs content(Tested parts are required partially by client)

Test method: With reference to AfPS GS 2014:01 PAK, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	CAS No.	Unit	MDL	Results			Client's Limit
				(1)	(2)	(3)	
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(e)pyren (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(b)fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(j)fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(k)fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Conclusion	/	/	/	Pass	Pass	Pass	/

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Item	CAS No.	Unit	MDL	Results			Client's Limit
				(4)	(5)	(7)	
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(e)pyren (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(b)fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(j)fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(k)fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Conclusion	/	/	/	Pass	Pass	Pass	/

Item	CAS No.	Unit	MDL	Results			Client's Limit
				(8)	(9)	(10)	
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(e)pyren (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(b)fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(j)fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(k)fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Conclusion	/	/	/	Pass	Pass	Pass	/

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Item	CAS No.	Unit	MDL	Results			Client's Limit
				(11)	(12)	(32)	
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(e)pyren (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(b)fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(j)fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Benzo(k)fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	N.D.	1
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	N.D.	N.D.	1
Conclusion	/	/	/	Pass	Pass	Pass	/

Item	CAS No.	Unit	MDL	Results				Client's Limit
				(33)	(35)	(36)	(37)	
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Benzo(e)pyren (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Benzo(b)fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Benzo(j)fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Benzo(k)fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	N.D.	N.D.	N.D.	1
Conclusion	/	/	/	Pass	Pass	Pass	Pass	/

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Note:

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- MDL = Method Detection Limit.
- mg/kg = ppm.
- --- = Not Regulated.
- Photo is included.

G. As specified by client, refer to Entry 20 of Regulation (EC) No 552/2009 and 276/2010 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Organostannic compounds (formerly known as 2002/62/EC and 2009/425/EC)(Tested parts are required partially by client)

Test method: With reference to ISO 17353:2004, by solvent extraction and analysis was performed by Gas Chromatographic- Mass Spectrometer (GC-MS)

Item	Unit	MDL	Results			Limit(by weight of tin)
			(1)+(2)+(3)	(4)+(5)	(7)+(8)+(9)	
Dibutyltin (DBT)	%	0.001	N.D.	N.D.	N.D.	0.1
Tri-substituted Organostannic compounds(TBT, TPhT)	%	0.001	N.D.	N.D.	N.D.	0.1
Diocetyl tin(DOT)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

Item	Unit	MDL	Results			Limit(by weight of tin)
			(10)+(11)+(12)	(32)+(33)	(35)+(36)+(37)	
Dibutyltin (DBT)	%	0.001	N.D.	N.D.	N.D.	0.1
Tri-substituted Organostannic compounds(TBT, TPhT)	%	0.001	N.D.	N.D.	N.D.	0.1
Diocetyl tin(DOT)	%	0.001	N.D.	N.D.	N.D.	0.1
Conclusion	/	/	Pass	Pass	Pass	/

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Bay Area Compliance Laboratories Corp. (Dongguan)

No.69, Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China
Tel: +86-769-86858888 Fax: +86-769-86858891

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Remark:

- (1) Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint.
- (2) Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of:
 - (a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and
 - (b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming;
 - (c) any totally or partly submerged appliance or equipment.
- (3) Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.
- (4) Tri-substituted organostannic compounds
Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin. Articles not complying with paragraph 4(a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date.
- (5) Dibutyltin (DBT) compounds
 - (a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.
 - (b) Articles and mixtures not complying with paragraph 5(a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.
 - (c) By way of derogation, paragraphs 5(a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public:
 - one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives,
 - paints and coatings containing DBT compounds as catalysts when applied on articles,
 - soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC,
 - fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications,
 - outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades. By way of derogation, paragraphs 5(a) and (b) shall not apply to materials and articles regulated under Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food.
6. Dioctyltin (DOT) compounds

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- (a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin:
- textile articles intended to come into contact with the skin
 - gloves,
 - footwear or part of footwear intended to come into contact with the skin,
 - wall and floor coverings,
 - childcare articles,
 - female hygiene products,
 - nappies,
 - two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits),
- (b) Articles not complying with paragraph 6(a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- The results less than MDL are not taken into account while calculating the sum contents.
- "---"=Not Regulated
- "+"= Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
- Photo is included.

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Photograph of Sample



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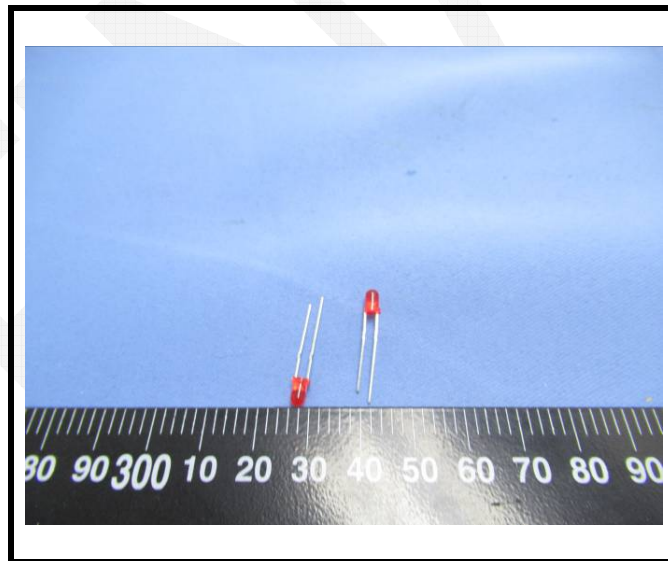
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BACL authenticate the photo on original report only

*** End of Report ***

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