

# TEST REPORT

REPORT No.: R2DG1702162060E

Date: March 8, 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 : Bump n' Grind/Mambo Vibe/Wild Ride  
BL-60200 /BL-12011/BL-30152  
Sample NO. : (items that use the same material) : BL-12010, BL-12012, BL-13010, BL-13011,  
BL-13012, BL-14010, BL-14011, BL-30150, BL-30151, BL-52800, BL-52801,  
BL-60201  
Product Application Scope : Men  
Color : naturally yours Pink/ naturally yours Purple/ naturally yours Blue  
Brand : Blush  
Sample Receiving Date : February 16, 2017  
Testing Period : From February 16, 2017 to March 7, 2017  
Results : Please refer to next page(s).

Signed for and on behalf of BACL

Checked by:   
Jane Xu  
Technical Supervisor

Approved by:   
William Wei  
Laboratory Manager

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**Summary of Test Results:**

<u>TEST REQUEST</u>	<u>CONCLUSION</u>
A US California Proposition 65. on Phthalates (DBP、BBP、DEHP、DnHP、DINP and DIDP) content	Pass*
B Phthalates (DBP、BBP、DEHP、DNOP、DINP and DIDP) content	Pass*
C 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	Pass
D Entry 23 of Regulation (EC) No 552/2009 and 494/2011 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Cadmium (Cd )content(formerly known as 91/338/EEC)	Pass
E Canada Surface Coating Materials Regulations (SOR/2016-193) – Mercury content	Pass
F Canada Products Containing Mercury Regulations (SOR/2014-254)	Pass
G Entry 50 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment directives on PAHs content	Pass
H Entry 20 of Regulation (EC) No 552/2009 and 276/2010 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Organostannic compounds content (formerly known as 2002/62/EC and 2009/425/EC)	Pass

Pass\*= Meet the Requirement of Client

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**Results:**

Tested part(s):

- |  |   |
|--|---|
| (1) Pink soft plastic(body) ①                              | (25) Transparent plastic(wire jacket) ①-③             |
| (2) Purple soft plastic(body) ②                            | (26) Transparent soft plastic(wire fixer) ①-③         |
| (3) Blue soft plastic(body) ③                              | (27) White plastic without coating(motors housing)①-③ |
| (4) Pink plastic(battery compartment) ①                    | (28) Black plastic(bottom case, small motor) ①        |
| (5) Purple plastic(battery compartment) ②                  | (29) Silvery metal(case, small motor) ①               |
| (6) Blue plastic(battery compartment) ③                    | (30) Silvery metal(rotor, small motor) ①              |
| (7) Transparent plastic(gasket of battery compartment) ①-③ | (31) Coppery metal(coil, small motor) ①               |
| (8) Silvery metal(small screw) ①                           | (32) Silvery metal(shaft, small motor) ①              |
| (9) Golden metal(big battery connector) ①                  | (33) Silvery metal(plate, small motor) ①              |
| (10) Golden metal(small battery connector) ①               | (34) Golden metal(shaft fixer, small motor)①          |
| (11) Golden metal(spring, battery compartment)①            | (35) Silvery metal(brush, small motor)①               |
| (12) Gunmetal metal(spring, battery compartment)①          | (36) Silvery coating(motor housing) ①-③               |
| (13) Silvery metal(long big screw) ②                       | (37) Off white plastic(case, big motor)②-③            |
| (14) Silvery metal(big screw) ③                            | (38) Silvery metal(case, big motor) ②-③               |
| (15) Silvery metal(medium screw) ③                         | (39) Gunmetal metal(rotor, big motor)②-③              |
| (16) Silvery metal(big battery connector) ②-③              | (40) Silvery metal(shaft, big motor) ②-③              |
| (17) Silvery metal(small battery connector)②-③             | (41) Coppery metal(coil, big motor) ②-③               |
| (18) Light gunmetal metal(spring, battery compartment)②-③  | (42) Silvery metal(plate, big motor) ②-③              |
| (19) Silvery metal(spring, battery compartment)②-③         | (43) Golden metal(shaft fixer, big motor) ②-③         |
| (20) Golden metal(disc, beside spring) ②-③                 | (44) Golden metal(brush, big motor) ②-③               |
| (21) Dull silvery metal(small screw) ②                     | (45) Gunmetal metal(spring, big motor) ②-③            |
| (22) Golden metal(stud, battery connector)①-③              | (46) Red plastic(gasket, big motor) ②-③               |
| (23) Golden metal(wire connector) ①-③                      | (47) White plastic(plate, big motor) ①-③              |
| (24) Silvery metal(wire) ①-③                               | (48) Silvery metal(big ring of shaft, big motor) ②-③  |
|  | (49) Golden metal(small ring of shaft, big motor)②-③  |

Remark : ① Pink      ② Purple      ③ Blue

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**A. US California Proposition 65. on Phthalates (DBP, BBP, DEHP, DnHP, DINP and DIDP) content**

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)	(6)+(7)	
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
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- "+"= 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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**B. Phthalates (DBP, BBP, DEHP, DNOP, DINP and DIDP) content**

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)	(6)+(7)	
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
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	

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.
- "+"= 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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**C. 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**

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			Limit
			(1)+(2)+(3)	(4)+(5)	(6)+(7)	
Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins)	%	0.01	N.D.	N.D.	N.D.	0.15
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

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 amending Annex XVII of Reach regulation (EC) No 1907/2006 on Cadmium (Cd )content(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)	(6)+(7)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Item	Unit	MDL	Results			Limit
			(8)	(9)	(10)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Item	Unit	MDL	Results			Limit
			(11)	(12)	(13)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

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

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

Item	Unit	MDL	Results			Limit
			(20)	(21)	(22)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Item	Unit	MDL	Results			Limit
			(23)	(24)	(25)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Item	Unit	MDL	Results			Limit
			(26)	(27)+(28)	(29)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Item	Unit	MDL	Results			Limit
			(30)	(31)	(32)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

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Item	Unit	MDL	Results			Limit
			(33)	(34)	(35)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

Item	Unit	MDL	Results			Limit
			(36)	(37)	(38)	
Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

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

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

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

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

Note:

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- MDL = Method Detection Limit
- mg/kg = ppm
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**E、Canada Surface Coating Materials Regulations (SOR/2016-193) – Mercury content**

Total Mercury Content-With reference to Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C-07

Items	Unit	MDL	Results	Limit
			(36)	
Mercury (Hg)	%	0.001	N.D.	0.001
<b>Conclusion</b>	/	/	<b>Pass</b>	/

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- Photo is included.

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## F. 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)	(6)+(7)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(8)	(9)	(10)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(11)	(12)	(13)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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

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

Items	Unit	MDL	Results			Limit
			(20)	(21)	(22)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(23)	(24)	(25)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(26)	(27)+(28)	(29)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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Items	Unit	MDL	Results			Limit
			(30)	(31)	(32)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(33)	(34)	(35)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(37)	(38)	(39)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results			Limit
			(40)	(41)	(42)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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Items	Unit	MDL	Results			Limit
			(43)	(44)	(45)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Items	Unit	MDL	Results				Limit
			(46)	(47)	(48)	(49)	
Mercury (Hg)	%	0.001	N.D.	N.D.	N.D.	N.D.	0.1
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- "+"= 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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**G. Entry 50 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment directives on PAHs content**

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			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
<b>Conclusion</b>	/	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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Item	CAS No.	Unit	MDL	Results				Limit
				(4)	(5)	(6)	(7)	
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
<b>Conclusion</b>	/	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Note:

- N.D. = Not Detected or less than MDL.
- MDL = Method Detection Limit.
- mg/kg = ppm.
- --- = Not Regulated.
- Sample (7) was tested by raw material due to insufficient finished sample size according to the applicant's request, The applicant will undertake all differences and risk
- Photo is included.

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**H. 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)**

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)	(6)+(7)	
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
<b>Conclusion</b>	<b>/</b>	<b>/</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>/</b>

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.

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(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

- (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.

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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 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.
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Photograph of Sample



BACL authenticate the photo on original report only

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