

TEST REPORT

REPORT No.: R2DG18071113875E

Date: July 16, 2018

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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 : PROSTIMULATOR VX1
Style/Item No. : BL-40095,BL-40098
Color : Black, White
Sample Receiving Date : July 11, 2018
Testing Period : From July 11, 2018 to July 16, 2018
Results : Please refer to next page(s).

Signed for and on behalf of BACL

Checked by: Jane Xu
Jane Xu
Technical Supervisor

Approved by: William Wei
William Wei
Laboratory Manager

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Bay Area Compliance Laboratories Corp. (Dongguan)

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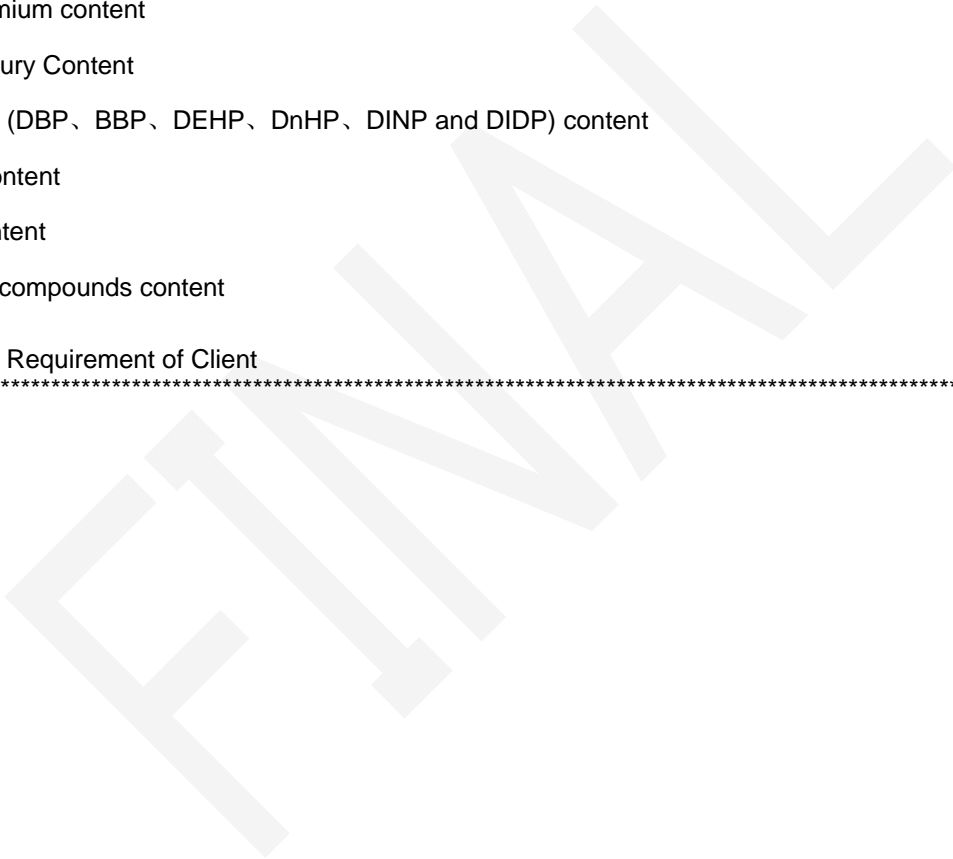
Summary of Test Results

TEST REQUEST

CONCLUSION

A	Total Lead content	Pass
B	Total Cadmium content	Pass
C	Total Mercury Content	Pass
D	Phthalates (DBP、BBP、DEHP、DnHP、DINP and DIDP) content	Pass
E	SCCPs Content	Pass
F	PAHS Content	Pass
G	Organotin compounds content	Pass

Pass= Meet the Requirement of Client



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Results:

Tested part(s):

- (1) White plastic ①
- (2) Black plastic ②

Remark: ①BL-40095(WHITE) ②BL-40098(BLACK)

A. Total lead content

Test method: With reference to US EPA 3052:1996/ EPA 3050B:1996 & EPA 6010D:2014, by acid digestion and analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrometry (AAS).

Total Lead Content (In substrate)

Item	Unit	MDL	Results	Client's Limit
			(1)+(2)	
Lead (Pb)	mg/kg	10	N.D.	100
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- 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. Total Cadmium content

Test method: With reference to EN1122:2001, 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	Client's Limit
			(1)+(2)	
Cadmium (Cd)	mg/kg	10	N.D.	100
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg=ppm
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C. Total Mercury Content

With reference to IEC62321-4:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Item	Unit	MDL	Results	Client's Limit
			(1)+(2)	
Mercury Content	%	0.001	N.D.	0.1
Conclusion	/	/	Pass	/

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 appendix is included.

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D. Phthalates (DBP, BBP, DEHP, DnHP, DINP and DIDP) content

Test method: With reference to CPSC-CH-C1001-09.4, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

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

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.
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E. SCCPs Content

Test method: With reference to ISO 18219:2015, analysis was performed by GC/MS-NCI

Item	Unit	MDL	Results	Client's Limit
			(1)+(2)	
Alkanes, C10-13, chloro(Short ChainChlorinated Paraffins)	%	0.01	N.D.	0.15
Conclusion	/	/	Pass	/

Note:

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- MDL = Method Detection Limit
- % = Percentage by weight
- mg/kg = ppm 0.1%=1000 mg/kg
- Photo is included.

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F. 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		Client's Limit
				(1)	(2)	
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	1
Benzo(e)pyren (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	1
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	1
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	1
Benzo(b)fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	1
Benzo(j)fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	1
Benzo(k)fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	1
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	N.D.	1
Conclusion	/	/	/	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL.
- MDL = Method Detection Limit.
- mg/kg = ppm.
- The results less than MDL are not taken into account while calculating the sum contents.
- --- = Not Regulated.
- Photo is included.

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G. Organotin compounds content

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
			(1)+(2)	
Tributyltin(TBT)by weight of tin	%	0.001	N.D.	---
Triphenyltin(TPhT) by weight of tin	%	0.001	N.D.	---
Tricyclohexyltin(TCyT) by weight of tin	%	0.001	N.D.	---
Trioctyltin(TOT) by weight of tin	%	0.001	N.D.	---
Sum of TBT, TPhT , TCyT, TOT by weight of tin	%	0.001	N.D.	0.1
Dibutyltin(DBT) by weight of tin	%	0.001	N.D.	0.1
Diocetyl tin (DOT) by weight of tin	%	0.001	N.D.	0.1
Conclusion	/	/	Pass	/

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Photograph of Sample



BACL authenticate the photo on original report only

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