Test Report Number: SHAH01615771

Applicant: XIONG CHENG PLASTIC TOYS CO. LTD
CHENGHAI DISTRICT SHANTOU CITY GUANGDONG PROVINCE CHINA
Attn: WANG XIAO JIE

Date: 23 Oct, 2023

Sample Description:

One (1) set of submitted sample said to be :

Item Name	:	**TOYS SERIES/ ENGINE WORKSHOP.**
Item No.	:	**008-977/008-977A.**
Quantity	:	1 Set.
Goods Exported To	:	Canada.
Country Of Origin	:	China.

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Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

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Conclusion:

Tested Sample	Standard	Result
Tested component(s) of submitted sample(s)	Canadian Environmental Protection Act Products Containing Mercury Regulations SOR/2014-254 on total Mercury (Hg) content in product except battery	Pass
	Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122 for total lead content test on products with applied stickers, films or surface coating materials	Pass
	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and amendment SOR/2022-122 on toxic elements test	Pass

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To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch

Bobo Yao
Assistant General Manager

Intertek Testing Services Ltd .Zhejiang, Ningbo Branch
浙江天祥质量技术服务有限公司宁波分公司
5/F No. 6 Building, Lingyun Industry Park, No.1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, China, 315000
宁波市高新区凌云路 1177 号凌云产业园 6 号楼 5 层 315000
Tel: +86 574 8818 3650
Fax: +86 574 8818 3680
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Tests Conducted

1 Total Mercury Content Test

As per IEC 62321-4:2013+AMD1:2017, acid digestion was used and analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested components	Result (%,w/w)	Limit(%,w/w) (max.)
(1+2+3)	ND	0.1
(4+5)	ND	0.1
(6+7)	ND	0.1
(8)	ND	0.1
(10+11+12)	ND	0.1
(13+14)	ND	0.1
(16+17+18)	ND	0.1

Remark：ND = Not detected (<0.0001%)

Tested components：See component list in the last section of this report

Date Sample Received： 26 Sep, 2023
Testing Period：26 Sep, 2023 To 09 Oct, 2023

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To be continued

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浙江天祥质量技术服务有限公司宁波分公司

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Tests Conducted

2 Total Lead (Pb) Content on Products with Applied Stickers, Films or Surface Coating Materials

As per Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (mg/kg)	Limit (mg/kg)
(8)	<10	90
(13+14)	<10	90

Remark：mg/kg = Milligram per kilogram

Tested Components：See component list in the last section of this report.

Date Sample Received： 26 Sep, 2023
Testing Period：26 Sep, 2023 To 09 Oct, 2023

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To be continued

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浙江天祥质量技术服务有限公司宁波分公司

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Tests Conducted

3 Total Lead (Pb) Content

As per methods C02.2, C02.3 and C02.4, acid digestion was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (mg/kg)	Limit (mg/kg)
(1+2+3)	ND	90
(4+5)	ND	90
(6+7)	ND	90
(9)	ND	90
(10+11+12)	ND	90
(13+14)	ND	90
(15)	ND	90

The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

Remark：Reporting Limit = 10 mg/kg
ND=Not Detected (Less than reporting limit)

Tested Components: See component list in the last section of this report.

Date Sample Received： 26 Sep, 2023
Testing Period：26 Sep, 2023 To 09 Oct, 2023

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To be continued

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浙江天祥质量技术服务有限公司宁波分公司

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Tests Conducted

4 Phthalate Content Test

With reference to method CPSC-CH-C1001-09.3 and followed by solvent extraction and Gas Chromatography-Mass Spectrometry (GC-MS) analysis

Tested Compound	Result (mg/kg)							Limit(mg/kg) (Max.)
	(1+2+3)	(4+5)	(6+7)	(9)	(10+11+12)	(13+14)	(16+17+18)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	1000

Remark：The above limit was quoted according to Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188 for phthalate content on toys and child care articles.

Detection Limit = 100mg/kg

ND = Not Detected

Tested Components：See component list in the last section of this report.

Date Sample Received： 26 Sep, 2023 & 18 Oct, 2023
Testing Period：26 Sep, 2023 To 10 Oct, 2023

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To be continued

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浙江天祥质量技术服务有限公司宁波分公司

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Tests Conducted

5 Toxic Elements Analysis (CCPSA SOR/2011-17 and Amendment SOR/2022-122)

With reference to Method C-02.2.1, C-07 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Plasma-mass Spectrometry and Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result(mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	(8)	(13)	(14)		
Tot. Lead (Pb)	ND	ND	ND	10	90
Tot. Mercury (Hg)	ND	ND	ND	0.047	10
Sol. Cadmium (Cd)	ND	-	-	5	1000
Sol. Antimony (Sb)	ND	-	-	5	1000
Sol. Selenium (Se)	ND	-	-	5	1000
Sol. Arsenic (As)	ND	-	-	2.5	1000
Sol. Barium (Ba)	ND	-	-	5	1000

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and Amendment SOR/2022-122 for prohibition on toxic elements in stickers, films and surface coating materials.

Tot. = Total
Sol. = Soluble
ND = Not detected (less than reporting limit)

Tested Component(s): See component list in the last section of this report.

Date Sample Received： 26 Sep, 2023
Testing Period：26 Sep, 2023 To 09 Oct, 2023

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To be continued

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Tests Conducted

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Tests Conducted

Components:

(1) Green plastic (body).
(2) Pink plastic (body).
(3) Black plastic (wheel).
(4) Deep grey plastic (dashboard).
(5) Silver grey plastic (tools/wheel).
(6) Deep pink plastic (screws).
(7) Red plastic (screws).
(8) White adhesive paper with multi-color printing (sticker).
(9) Multi-color coating on paper (sticker).
(10) Transparent red plastic (button).
(11) Transparent plastic (light).
(12) Light grey plastic (bumper bar).
(13) White coating on plastic (button/remote control).
(14) Black coating on plastic (horn).
(15) Silver metal (screw of remote control).
(16) Black soft plastic (wire).
(17) Red soft plastic (wire).
(18) White soft plastic (wire).

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End of report

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浙江天祥质量技术服务有限公司宁波分公司

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