



中国认可  
国际互认  
检测  
TESTING  
CNAS L5950

# Test Report

No.:SPF21031742

Date: Apr. 24, 2021

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ZIYU TOYS FACTORY  
CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

The following samples were submitted and identified by/on behalf of client as:

Name of product/item : DEFORMATION ROBOT

Item No. :See the next page

Sample received date: Apr. 15, 2021

Testing period: From Apr. 15, 2021 to Apr. 24, 2021

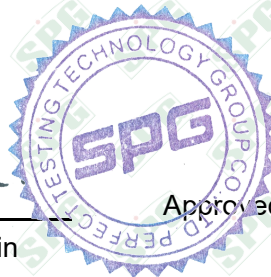
Test conclusion:

Summary	Result
1. US Consumer Product Safety Improvement Act 2008 Title I (CPSIA), Section 101 for total Lead content in Non-surface coating materials (substrate)	Pass
US 16 CFR Part 1303 and US Consumer Product Safety Improvement Act 2008 Title I (CPSIA), Section 101 for total Lead content in surface coating	
2. US Consumer Product Safety Improvement Act 2008 Title I (CPSIA), Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass

Tested by : Potter  
Zhang PeiXun, Potter

Inspected by : Lin  
Lin JiaSheng, Lin

Approved by : Jee  
Zhang Feng, Jee  
Lab Manager



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Item No. : L015-1, L015-2, L015-3, L015-4, L015-5, L015-6, L015-7, L015-8, L015-9, L015-10, L015-11, L015-12, L015-13, L015-14, L015-15, L015-16, L015-17, L015-18, L015-19, L015-20, L015-21, L015-22, L015-23, L015-24, L015-25, L015-26, L015-27, L015-28, L015-29, L015-30, L015-33, L015-34, L015-35, L015-36, L015-37, L015-38, L015-39, L015-40, L015-41, L015-42, L015-43, L015-44, L015-45, L015-46, L015-47, L015-48, L015-49, L015-50, L015-51, L015-53, L015-54, L015-55, L015-56, L015-57, L015-58, L015-59, L015-60, L015-61, L015-62, L015-63, L015-64, L015-65, L015-66, L015-67, L015-68, L015-69, L015-70, L015-71, L015-72, L015-73, L015-74, L015-75, L015-76, L015-77, L015-78, L015-79, L015-80, L015-81, L015-82, L015-83, L015-84, L015-85, L015-86, L015-87, L015-88, L015-89, L015-90, L015-15A, L015-16A, L015-17A, L015-18A, L015-19A, L015-20A, L015-21A, L015-22A, L015-33A, L015-34A, L015-35A, L015-36A, L015-48A, L015-49A, L015-50A, L015-51A, L015-53B, L015-54B, L010-A7, L010-A8, L010-A9, L010-A17, L010-A18, L010-A19, L010-A20, L010-A21, L010-A22, L010-A23, L010-A24, L010-A25, L010-A26, L010-A27, L010-A28, L010-A29, L010-A30, L010-A31, L010-A32, L010-A33, L010-A34, L010-A35, L010-A36, L010-A37, L010-A38, L010-A39, L010-A40, L010-A41, L010-A42, L010-A43, L010-A44, L010-A45, L011-1, L011-2, L011-3, L011-5, L011-6, L011-7, L011-8, L011-13, L011-14, L012-1, L012-2, L012-3, L012-4, L012-13, L012-14, L013-5, L013-6, L013-7, L013-8, L013-9, L013-10, L013-11, L013-12, L013-13, L013-14, L013-15, L013-16, L013-17, L013-18, L013-19, L013-20, L013-21, L013-22, L013-23, L013-24, L013-25, L013-26, L013-27, L013-28, L007-6, L007-7, L007-8, L007-9, L009-6, L009-7, L009-9, L009-12, L606-3, L608-3, L606-8, L608-8, L606-10, L608-10, 6377-51, L017-1, L017-2, L017-3, L017-4, L017-5, L017-6, L017-7, L017-8, L017-9, L017-10, L017-11, L017-12, L017-13, L017-14, L017-15, L017-16, L017-17, L017-18, L017-19, L017-20, L017-21, L017-22, L017-23, L017-24, L017-25, L017-26, L017-27, L017-28, L017-29, L017-30, L017-31, L017-32, L017-33, L017-34, L017-35, L017-36, L017-37, L017-38, L017-39, L017-40, L019-1, L019-2, L019-3, L019-4, L019-5, L019-6, L019-7, L019-8, L019-9, L019-10, L019-11, L019-12, L019-13, L019-14, L019-15, L019-16, L019-17, L019-18, L019-19, L019-20, L019-21, L019-22, L019-23, L019-24, L019-25, L019-26, L019-27, L019-28, L019-29, L019-30, L019-31, L019-32, L019-33, L019-34, L019-35, L019-36, L019-37, L019-38, L019-39, L019-40.

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## 1. Lead (Pb) analysis:

With reference to CPSC-CH-E1002-08.3, by Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES) analysis.

Sample No. Item(s)	Result (mg/kg)							Report limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5	6	7		
Pb	ND.	ND.	ND.	ND.	ND.	ND.	ND.	10	100

Sample No. Item(s)	Result (mg/kg)						Report limit (mg/kg)	Limit (mg/kg)
	8	9	10	11	12	13		
Pb	ND.	ND.	ND.	ND.	ND.	ND.	10	100

With reference to CPSC-CH-E1003-09.1, by Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES) analysis.

Sample No. Item(s)	Result (mg/kg)		Report limit (mg/kg)	Limit (mg/kg)
	14	15		
Pb	ND.	ND.	10	90

## Tested component(s):

Code	Specimen name	Code	Specimen name
1	Dark gray plastic (Transformers's hand)	9	White plastic (Transformers's foot)
2	Yellow plastic (car shell)	10	Black plastic (car wheel)
3	Green plastic (car shell)	11	Golden plastic (gun)
4	Light blue plastic (car shell)	12	Silvery coating (big car head)
5	Dark blue plastic (car shell)	13	Sticker
6	Purple plastic (car shell)	14	Silvery coating (weight:10.3mg)
7	Orange plastic (plane)	15	Black coating (weight:16.6mg)
8	Red plastic (car shell)	/	/

## Note :

(1)As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.

(2) ND. = Not detected (less than report limit)

(3) mg/kg = ppm = part per million

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### 2. Phthalates analysis:

With reference to CPSC-CH-C1001-09.4, by Gas Chromatography-Mass Spectrometer (GC-MS) analysis.

Item(s)	Sample No.	CAS No.	Result (mg/kg)	Report limit (mg/kg)
			1	
Dibutyl phthalate (DBP)		84-74-2	ND.	50
Benzyl Butyl Phthalate (BBP)		85-68-7	ND.	50
Di(2-ethylhexyl) phthalate (DEHP)		117-81-7	ND.	50
Diisobutyl phthalate (DIBP)		84-69-5	ND.	50
Di-n-pentyl phthalate (DPENP)		131-18-0	ND.	50
Di-n-hexyl phthalate (DHEXP)		84-75-3	ND.	50
Dicyclohexyl phthalate (DCHP)		84-61-7	ND.	50
Di-'isononyl' phthalate (DINP)		28553-12-0, 68515-48-0	ND.	100

### Summary of permissible limits of requirements:

Requirements	Limit
US 16 CFR Part 1307- Phthalates.	
For all children's toys and child care articles.	(DBP, BBP, DEHP, DIBP, DPENP, DHEXP, DCHP, DINP)<1000mg/kg.

### Tested component(s):

Code Specimen name

1 Yellow plastic (car shell) + Dark blue plastic (car shell) + Red plastic (car shell)

### Note :

(1)As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.

(2) ND. = Not detected (less than report limit)

(3) mg/kg = ppm = part per million

(4) Mixed test has been performed and the result(s) is (are) calculated using the total sample weight.

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Sample photo(s):



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