

## Test Report

No.: NBHL2003003004TY-01

Date: APR. 15, 2020

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RED BIRD HONG KONG LIMITED / SPIN MASTER TOYS FAR EAST LIMITED  
RM. 1113, 11/F, CHINACHEM GOLDEN PLAZA, 77 MODY ROAD,  
TST EAST, KOWLOON, HONG KONG

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: NBHL2003003004TY, DATE: APR. 01, 2020

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

CGI AGM SPNGBOBFLUXLOONEYLABS GBC6PKSLD

Numbers of Samples : 6SETS  
Submitted  
Style No. / Item No. : 98460 / 1078333  
Family No.(if any) : 98460  
Phantom No. : 20129790  
P.O. / Ref. No. : 98460 / 1078333 / 6060204  
Special Requirement : N/A  
Responsible QE : MIKE LIANG  
Brand Name : CGI  
Sales Planning : 6060204  
Finished Goods No. : 1078333  
Date Code : 00115ATP  
Importer : N/A  
Supplier : N/A  
Manufacturer : NINGBO WAH HOI ANIMATION TOYS CO., LIMITED  
Country of Origin : CHINA  
Country of Destination : US/CA/EU/AU/MX  
Labelled Age Grading : AGE 8+  
Requested Age Grading : NOT PROVIDED

\*\*\*\*\*

Age Group Applied in : 8+ YEARS  
Testing  
Age Group Assessed As : 8+ YEARS  
Per Age Guideline  
Sample Receiving Date : MAR. 26, 2020



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Testing Period : MAR. 26, 2020 TO APR. 15, 2020

Test Requested	Result
1. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	<u>Pass</u>
2. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	<u>Pass</u>
3. Part 1303, Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A.-Lead	<u>Pass</u>
4. Public Act 097-0612 of the US State of Illinois, the Lead Poisoning Prevention Act-Lead Content	<u>Pass</u>
5. CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)	<u>Pass</u>
6. CPSIA section 101(f) - Lead in paint/similar surface coating material	<u>Pass</u>
7. CONSUMER PRODUCT SAFETY COMMISSION---16 CFR Part 1307 [Docket No. CPSC-2014-0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	<u>Pass</u>
8. US California Proposition 65- Lead content	<u>Pass</u>
9. US California Proposition 65- Phthalate content	<u>Pass</u>
10. Total heavy elements	<u>See Result</u>
11. EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	<u>Pass</u>
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	<u>See Result</u>
EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	<u>Pass</u>
EN71-3: 2019 as harmonized standard under Directive 2009/48/EC and its amendment (EU) 2019/1922 – Migration of certain elements	<u>Pass</u>
EN71-3: 2019 as harmonized standard under Directive 2009/48/EC and its amendment (EU) 2019/1728 – Migration of certain elements	<u>Pass</u>
12. Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) No 217/2016 - Cadmium (Cd)	<u>Pass</u>
13. European Regulation (EC) No. 850/2004 and its amendments Regulation (EU) 2015/2030 – Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)	<u>Pass</u>
14. Phthalates content-Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)	<u>Pass</u>
15. Commission Regulation (EU) No 1272/2013 amending Annex XVII of REACH Regulation Regulation (EC) No 1907/2006-Polynuclear Aromatic Hydrocarbons	<u>Pass</u>
16. Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII to Regulation (EC) No 1907/2006 – Phthalates	<u>Pass</u>
17. Phthalates	<u>See Result</u>
18. Toys Regulations (SOR/2011-17) amended up to January 11, 2019 of Canada Consumer Product Safety Act	<u>Pass</u>
19. Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Surface Coating	<u>Pass</u>



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Materials Regulations (SOR/2016-193)- Total Lead and Mercury in surface coating materials		
20.	Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Consumer Products Containing Lead Regulations (SOR/2018-83, CPCLR)–Total Lead	<u>Pass</u>
21.	Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Phthalates Regulations (SOR/2016-188) - Phthalates	<u>Pass</u>
22.	Total Lead Content in Substrate	<u>Pass</u>
23.	Mexican STANDARD NOM-252-SSA1-2011 for toys and school supplies - Heavy Metals	<u>Pass</u>
24.	Claim Verification	<u>Pass</u>
25.	Bisphenol A (BPA) content	<u>Not Applicable</u> <u>(See Remark)</u>

Remark : Base on the BOM provided by the vendor, there is no client's specified material(s) found in the submitted sample(s) for the Bisphenol A (BPA) test and it's the vendor's responsibility for the conformity of Bisphenol A (BPA) requirements on those material(s) of low risk to the client

Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion.

Testing results only apply to the sample as received.

The declaration of conformity is only based on the actual value of laboratory activity while measurement uncertainty of the results is not taken into account.

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Ruby Gu

Ruby Gu  
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Ningbo Branch Harbin

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## Test Conducted:

### 1. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

Note 1: As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label found on the packaging: 00015ATP
- Tracking label found on the product: 00115ATP

Note 2: The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

### 2. ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass (See Detail of test result)</u>
4.3	Toxicology	
4.3.5	Heavy Elements	
	4.3.5.1 Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass (See Detail of test result)</u>
	4.3.5.2 Heavy Metal in Substrate Materials	<u>Pass (See Detail of test result)</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>Pass</u>
8.5	Normal Use Testing	<u>Pass</u>

\*\* Visual Examination

## Detail of test result:

### ASTM F963-17, Clause 4.2 – Flammability Test Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>
COIN	DNI



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Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

N.B. : - Only applicable clauses were shown.

### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB20-009489.001	Transparent plastic sticker with colorful print on round piece
SN2	NGB20-009489.002	Transparent plastic film
SN3	NGB20-009489.004	Colorful coating
SN4	NGB20-009489.005	Black plastic round piece

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### American Society for Testing and Materials -ASTM F 963-17 - total Lead in paint and similar surface-coating materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by ICP-OES/AAS..

Test Item(s)	Limit	Unit	MDL	004
Total Lead (Pb)	90	mg/kg	20	ND
Conclusion	PASS			

### American Society for Testing and Materials -ASTM F 963-17 - total Lead in Substrate Materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1002-08.3. Analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit	MDL	001	002	005
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion	PASS		PASS		PASS	

### American Society for Testing and Materials -ASTM F 963-17 - soluble heavy metal in Substrate Materials/paint and similar surface-coating materials

Test Method : With reference to ASTM F 963-17 (Clause 8.3), analysis was performed by ICP-OES.



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Test Item(s)	Limit	Unit	MDL	001	002	004
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	005
Soluble Lead (Pb)	90	mg/kg	5	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND
Soluble Selenium (Se)	500	mg/kg	10	ND
<b>Conclusion</b>				<b>PASS</b>

Notes :

(1) Results shown are of the adjusted analytical results

### 3. Part 1303, Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A.-Lead

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1. Analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit	MDL	004
Lead (Pb)	0.0090	%	0.0020	ND
<b>Conclusion</b>				<b>PASS</b>

### 4. Public Act 097-0612 of the US State of Illinois, the Lead Poisoning Prevention Act-Lead Content in paint/similar surface coating material

Test Method : CPSC Test Method: CPSC-CH-E1003-09.1' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test Item(s)	Limit	Unit	MDL	004
Lead (Pb)	40	ppm	10	ND
<b>Comment</b>				<b>PASS</b>

Notes :



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(1) As a client requirement, the warning label is not allowed.

### **Public Act 097-0612 of the US State of Illinois, the Lead Poisoning Prevention Act-Lead Content in substrate materials (Non-Metal)**

Test Method : CPSC Test Method: CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

Test Item(s)	Limit	Unit	MDL	001	002	005
Lead (Pb)	40	ppm	10	ND	ND	ND
Comment				PASS	PASS	PASS

Notes :

(1) As a client requirement, the warning label is not allowed.

### **5. CPSIA section 101(a)(2) - Lead in accessible substrate materials(including Children's Metal Jewelry)**

Test Method : CPSC Test Method: CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'.

Test Item(s)	Limit	Unit	MDL	001
Lead (Pb)	0.01	%	0.002	ND
Comment				PASS

Test Item(s)	Limit	Unit	MDL	002
Lead (Pb)	0.01	%	0.002	ND
Comment				PASS

Test Item(s)	Limit	Unit	MDL	005
Lead (Pb)	0.01	%	0.002	ND
Comment				PASS

Notes :

(1) Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

### **6. CPSIA section 101(f) - Lead in paint/similar surface coating material**

Test Method : CPSC Test Method: CPSC-CH-E1003-09.1' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test Item(s)	Limit	Unit	MDL	004
Lead (Pb)	0.009	%	0.002	ND
Comment				PASS



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Ningbo Branch

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### 7. CONSUMER PRODUCT SAFETY COMMISSION---16 CFR Part 1307 [Docket No. CPSC-2014-0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method : With reference to CPSC-CH-C1001-09.4(2018), analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	002
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	004
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	005
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	0.009



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Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Diethyl Phthalate (DEHP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

### Notes :

(1) On October 27, 2017, the CPSC published the final rule in the Federal Register (82 FR 49938) to restrict phthalates in toys and child care articles under section 108 of the CPSIA, this final rule has in effect restricted a total of eight phthalates in children's toys and child care articles. It will become effective on April 25, 2018, and applies to toys and child care articles that are manufactured or imported from this date

### 8. US California Proposition 65- Lead content

Test Method : CPSC-CH-E1003-09.1' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test Item(s)	Limit	Unit	MDL	004
Lead (Pb)	90	mg/kg	20	ND
<b>Conclusion</b>				<b>PASS</b>

### Notes :

(1) The limit is referenced to the requirement stated in the County of Alameda Superior Court, RG-07-356892, and Public Law (Consumer Product Safety Improvement Act of 2008, CPSIA)  
 (2) The reference limit applied in testing is based on particular prop 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.  
 A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with Proposition 65 by clearly informing the consumer of potential exposure.

### US California Proposition 65- Lead content

Test Method : CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

Test Item(s)	Limit	Unit	MDL	001
Lead (Pb)	100	mg/kg	20	ND
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	002
Lead (Pb)	100	mg/kg	20	ND
<b>Conclusion</b>				<b>PASS</b>



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Test Item(s)	Limit	Unit	MDL	005
Lead (Pb)	100	mg/kg	20	ND
<b>Conclusion</b>				<b>PASS</b>

### Notes :

- (1) The limit is referenced to the requirement stated in the County of Alameda Superior Court, RG-07-356892, and Public Law (Consumer Product Safety Improvement Act of 2008, CPSIA)
- (2) The reference limit applied in testing is based on particular prop 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.
- A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with Proposition 65 by clearly informing the consumer of potential exposure.

### 9. US California Proposition 65- Phthalate content

Test Method : With reference to CPSC-CH-C1001-09.3. Analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515	1000	mg/kg	50	ND
	-49-1				
Di-n-hexyl Phthalate (DnHP)	84-75-3	1000	mg/kg	50	ND
<b>Comment</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	002
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515	1000	mg/kg	50	ND
	-49-1				
Di-n-hexyl Phthalate (DnHP)	84-75-3	1000	mg/kg	50	ND
<b>Comment</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	004
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515	1000	mg/kg	50	ND
	-49-1				
Di-n-hexyl Phthalate (DnHP)	84-75-3	1000	mg/kg	50	ND
<b>Comment</b>					<b>PASS</b>



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Test Item(s)	CAS NO.	Limit	Unit	MDL	005
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	50	90
Diisodecyl Phthalate (DIDP)	26761-40-0/68515	1000	mg/kg	50	ND
	-49-1				
Di-n-hexyl Phthalate (DnHP)	84-75-3	1000	mg/kg	50	ND
<b>Comment</b>					<b>PASS</b>

### Notes :

- (1) The limit of DBP, BBP, DEHP, DIDP and DnHP is referenced to the requirement stated in the County of Alameda Superior Court, BG-07-350969.
  - (2) The reference limit applied in testing is based on particular prop 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.
- A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with Proposition 65 by clearly informing the consumer of potential exposure.

### 10. Total heavy elements in Substrate Materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1002-08.3. Analysis was performed by ICP-OES.

Test Item(s)	Unit	MDL	001	002	005
Lead (Pb)	mg/kg	20	ND	ND	ND
Antimony (Sb)	mg/kg	10	210	ND	ND
Arsenic (As)	mg/kg	10	ND	ND	ND
Barium (Ba)	mg/kg	10	14	14	11
Cadmium (Cd)	mg/kg	5	ND	ND	ND
Chromium (Cr)	mg/kg	5	18	10	21
Mercury (Hg)	mg/kg	5	ND	ND	ND
Selenium (Se)	mg/kg	10	ND	ND	ND

### Total heavy elements in paint and similar surface-coating materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by ICP-OES.

Test Item(s)	Unit	MDL	004
Lead (Pb)	mg/kg	20	ND
Antimony (Sb)	mg/kg	10	97
Arsenic (As)	mg/kg	10	10
Barium (Ba)	mg/kg	10	101
Cadmium (Cd)	mg/kg	5	ND
Chromium (Cr)	mg/kg	5	16



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Mercury (Hg)	mg/kg	5	ND
Selenium (Se)	mg/kg	10	ND

### 11. European Standard on Safety of Toys

#### EN 71-1:2014+A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014+A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	General requirements	
4.1	Material cleanliness**	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
** Visual Examination		

**LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO INFORMATIVE ANNEX A.26 AND A.33 OF THE EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-1:2014+A1:2018 AND THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS**

Summary table:

	Observation Result	Location
CE mark	Present	Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Present	Packaging
Product ID	Present	Packaging

Note:

- CE marking should be visible from outside the packaging and its height must be at least 5mm.
- Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
- Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

#### EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:



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Clause	Description	Result
4.1	General requirements	Pass

Type of gas: Butane gas used in the test burner

N.B. : - Only applicable clauses were shown.

### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB20-009485.001	White paper instruction with colorful coating
SN2	NGB20-009485.002	White & Blue gray paper card with colorful coating
SN3	NGB20-009485.003	Transparent plastic sticker with colorful print on round piece
SN4	NGB20-009485.004	Transparent plastic film
SN5	NGB20-009485.006	Colorful coating
SN6	NGB20-009485.007	Black plastic round piece

### Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### **EN71-3: 2019 as harmonized standard under Directive 2009/48/EC and its amendment (EU) 2019/1922 – Migration of certain elements (Category III: for scrapped-off toy material)**

Test Method : With reference to EN 71-3:2019, analysis was performed by ICP-OES, IC-UV.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.01	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	55	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	84	574	ND



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Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	007
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.01	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	55	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	105	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND

### Notes :

(1) \*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019.

### **EN71-3: 2019 as harmonized standard under Directive 2009/48/EC and its amendment (EU) 2019/1728 – Migration of certain elements (Category III:for scrapped-off toy material)**

Test Method : With reference to EN 71-3:2019, analysis was performed by ICP-OES, IC-UV.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.01	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND



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Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	55	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	70000	mg/kg	50	84	574	ND
Soluble Nickel (Ni)	94	mg/kg	10	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	007
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.01	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	55	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND
Soluble Aluminum (Al)	70000	mg/kg	50	105	ND
Soluble Nickel (Ni)	94	mg/kg	10	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND

### Notes :

(1) Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019.

### 12. Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) No 217/2016 - Cadmium (Cd)

Test Method : With reference to EN 1122:2001 Method B. Analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit	MDL	003	004	007
Cadmium (Cd)	0.01	%	0.0005	ND	ND	ND
Conclusion				PASS	PASS	PASS

### Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) No 217/2016 - Cadmium (Cd)



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Test Method : With reference to EN 1122:2001 Method B. Analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit	MDL	006
Cadmium (Cd)	0.1	%	0.0005	ND
Conclusion				PASS

### 13. European Regulation (EC) No. 850/2004 and its amendments Regulation (EU) 2015/2030 – Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)

Test Method : With reference to ISO 18219: 2015, analysis was performed by GC-ECNI-MS.

Test Item(s)	Limit	Unit	MDL	003	004	006
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)	1500	mg/kg	50	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	007
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCP)	1500	mg/kg	50	ND
Conclusion				PASS

### 14. Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)-Phthalates content

Test Method : With reference to EN14372: 2004, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	003	004	006
<b>For all toys and childcare articles</b>							
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND	ND	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND	ND	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	-	%	0.003	ND	ND	ND
Total (DBP+BBP+DEHP)		0.1	%	-	ND	ND	ND
<b>For toys and childcare articles that can be mouthed</b>							
Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	-	%	0.010	ND	ND	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND	ND	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	-	%	0.010	ND	ND	ND
Total (DINP+DNOP+DIDP)		0.1	%	-	ND	ND	ND



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## Conclusion

PASS PASS PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	007
<b>For all toys and childcare articles</b>					
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	-	%	0.003	0.009
Total (DBP+BBP+DEHP)		0.1	%	-	0.009

## For toys and childcare articles that can be mouthed

Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	-	%	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	-	%	0.010	ND
Total (DINP+DNOP+DIDP)		0.1	%	-	ND

## Conclusion

PASS

### Notes :

- (1) European Parliament adopted new phthalate Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC);
- (1-1) DBP, BBP and DEHP are totally banned for use in any toys on childcare articles where their concentration exceeds 0.1% by mass.
- (1-2) DINP, DNOP, DIDP are totally banned for use in toys and childcare articles that can be mouthed where their concentration exceeds 0.1% by mass.

## 15. Commission Regulation (EU) No 1272/2013 amending Annex XVII of REACH Regulation Regulation (EC) No 1907/2006-Polynuclear Aromatic Hydrocarbons

Test Method : With reference to AfPS GS 2014:01 PAK, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit	MDL	003
Benzo(a)anthracene(BaA)	0.5	mg/kg	0.1	ND
Chrysene(CHR)	0.5	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	0.5	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	0.5	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	0.5	mg/kg	0.1	ND



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Benzo(e)pyrene(BeP)	0.5	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	0.5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	0.5	mg/kg	0.1	ND
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	004
Benzo(a)anthracene(BaA)	0.5	mg/kg	0.1	ND
Chrysene(CHR)	0.5	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	0.5	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	0.5	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	0.5	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	0.5	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	0.5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	0.5	mg/kg	0.1	ND
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	006
Benzo(a)anthracene(BaA)	0.5	mg/kg	0.1	ND
Chrysene(CHR)	0.5	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	0.5	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	0.5	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	0.5	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	0.5	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	0.5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	0.5	mg/kg	0.1	ND
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	007
Benzo(a)anthracene(BaA)	0.5	mg/kg	0.1	ND
Chrysene(CHR)	0.5	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	0.5	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	0.5	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	0.5	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	0.5	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	0.5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	0.5	mg/kg	0.1	ND
<b>Conclusion</b>				<b>PASS</b>

### 16. Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII to Regulation (EC) No 1907/2006 - Phthalates

Test Method : With reference to EN14372: 2004, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	003
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%	0.003	ND



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Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.003	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.003	ND
Total(DBP+BBP+DEHP+DIBP)		0.1	%	-	ND
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	004
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%	0.003	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.003	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.003	ND
Total(DBP+BBP+DEHP+DIBP)		0.1	%	-	ND
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	006
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%	0.003	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.003	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.003	ND
Total(DBP+BBP+DEHP+DIBP)		0.1	%	-	ND
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	007
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%	0.003	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.003	0.009
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.003	ND
Total(DBP+BBP+DEHP+DIBP)		0.1	%	-	0.009
<b>Conclusion</b>					<b>PASS</b>

### 17. Phthalates

Test Method : With reference to EN14372: 2004, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Unit	MDL	003	004	006
Diethyl Phthalate (DEP)	84-66-2	%	0.003	ND	ND	ND
Dinonyl Phthalate (DNP)	84-76-4	%	0.003	ND	ND	ND
Diisooctyl Phthalate (DIOP)	27554-26-3	%	0.01	ND	ND	ND
Dimethyl Phthalate (DMP)	131-11-3	%	0.003	ND	ND	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	%	0.003	ND	ND	ND
1,2 Benzenedicarboxylic, dihexylest	68515-50-4	%	0.010	ND	ND	ND



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er, branched and linear

1,2-Benzenedicarboxylic

(DHP\_C6)

84777-06-0

%

0.003

ND

ND

ND

acid, dipentylester, branched and linear (DPP\_C5)

1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHPP)

71888-89-6

%

0.01

ND

ND

ND

1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)

68515-42-4

%

0.01

ND

ND

ND

Bis(2-methoxyethyl) Phthalate (DMEP)

117-82-8

%

0.003

ND

ND

ND

Dicyclohexyl Phthalate (DCHP)

84-61-7

%

0.003

ND

ND

ND

Dipropyl Phthalate (DPrP)

131-16-8

%

0.003

ND

ND

ND

1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; -93-1

68515-51-5/68648

%

0.01

ND

ND

ND

1,2-benzenedicarboxylic acid, Diisopentyl Phthalate (DIPP)

mixed decyl and hexyl and octyl

605-50-5

%

0.003

ND

ND

ND

n-pentyl Isopentyl Phthalate (nPIPP)

776297-69-9

%

0.003

ND

ND

ND

Di-n-pentyl Phthalate (DnPP)

131-18-0

%

0.003

ND

ND

ND

Di-iso-hexyl Phthalate (DIHxP)

71850-09-4/146-50-9

%

0.003

ND

ND

ND

### Test Item(s)

### CAS NO.

### Unit

### MDL

### 007

Diethyl Phthalate (DEP)

84-66-2

%

0.003

ND

Dinonyl Phthalate (DNP)

84-76-4

%

0.003

ND

Diisooctyl Phthalate (DIOP)

27554-26-3

%

0.01

ND

Dimethyl Phthalate (DMP)

131-11-3

%

0.003

ND

Di-n-hexyl Phthalate (DnHP)

84-75-3

%

0.003

ND

1,2

68515-50-4

%

0.010

ND

Benzenedicarboxylic, dihexylester, branched and linear



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1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DHP_C6)	84777-06-0	%	0.003	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHPP)	71888-89-6	%	0.01	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	%	0.003	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	%	0.003	ND
Dipropyl Phthalate (DPrP)	131-16-8	%	0.003	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, Diisopentyl Phthalate (DIPP)	68515-51-5/68648-93-1	%	0.01	ND
mixed decyl and hexyl and octyl	605-50-5	%	0.003	ND
n-pentyl Isopentyl Phthalate (nPiPP)	776297-69-9	%	0.003	ND
Di-n-pentyl Phthalate (DnPP)	131-18-0	%	0.003	ND
Di-iso-hexyl Phthalate (DIHxP)	71850-09-4/146-50-9	%	0.003	ND

### 18. TOYS REGULATIONS (SOR/2011-17) AMENDED UP TO JANUARY 11, 2019 OF CANADA CONSUMER PRODUCT SAFETY ACT

AS SPECIFIED IN TOYS REGULATIONS (SOR/2011-17) AMENDED UP TO JANUARY 11, 2019 OF CANADA CONSUMER PRODUCT SAFETY ACT.

Clauses relevant to the item:

Section	Description	Result
Section 10	Plastic Components	Pass
Section 21	Celluloid or Cellulose Nitrate	Pass
Section 23	Heavy Metals Contents in Surface Coatings/Paint	Pass
		(See Result Page)

N.B. : - Only applicable clauses were shown.



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### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB20-009513.001	Transparent plastic sticker with colorful print on round piece
SN2	NGB20-009513.002	Transparent plastic film
SN3	NGB20-009513.004	Colorful coating
SN4	NGB20-009513.007	White paper instruction without coating + White & Blue gray paper card without coating
SN5	NGB20-009513.008	Black plastic round piece

### Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### **Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Toys Regulations (SOR/2011-17) Section 23- Total Lead, Mercury and Soluble Heavy Metal in surface coating materials**

Test Method : With reference to Health Canada, Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.2(total Pb and total Hg) and Method C-03 (Soluble 5E)

Test Item(s)	Limit	Unit	MDL	004
Total Lead (Pb)	0.0090	%	0.0020	ND
Total Mercury (Hg)	0.0010	%	0.0001	ND
Soluble Antimony (Sb)	0.1	%	0.005	ND
Soluble Arsenic (As)	0.1	%	0.005	ND
Soluble Barium (Ba)	0.1	%	0.005	ND
Soluble Cadmium (Cd)	0.1	%	0.005	ND
Soluble Selenium (Se)	0.1	%	0.005	ND

### **19. Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Surface Coating Materials Regulations (SOR/2016-193)- Total Lead and Mercury in surface coating materials**

Test Method : With reference to Health Canada, Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.2(total Pb and total Hg)

Test Item(s)	Limit	Unit	MDL	004
Total Lead (Pb)	0.009	%	0.0020	ND
Total Mercury (Hg)	0.001	%	0.0001	ND
<b>Conclusion</b>				<b>PASS</b>

### **20. Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Consumer Products Containing Lead Regulations (SOR/2018-83, CPCLR)-Total Lead (Non-Metal)**



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Test Method : Samples were prepared with reference to Health Canada, Product Safety Laboratory, Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.3.

Test Item(s)	Limit	Unit	MDL	001	002	007
Total Lead (Pb)	0.0090	%	0.0020	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	008
Total Lead (Pb)	0.0090	%	0.0020	ND
Conclusion				PASS

### Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Consumer Products Containing Lead Regulations (SOR/2018-83, CPCLR)-Total Lead(Coating)

Test Method : Samples were prepared with reference to Health Canada, Product Safety Laboratory, Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.2.

Test Item(s)	Limit	Unit	MDL	004
Total Lead (Pb)	0.0090	%	0.0020	ND
Conclusion				PASS

### 21. Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Phthalates Regulations (SOR/2016-188) - Phthalates

Test Method : With reference to Health Canada, Product Safety Laboratory, Book 5, Part B, Method C-34, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
<b>For the vinyl in a toy or child care article</b>					
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	30	ND
<b>For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age</b>					
Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	1000	mg/kg	100	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	1000	mg/kg	100	ND
Comment					PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	002
<b>For the vinyl in a toy or child care article</b>					



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Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	30	ND

**For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age**

Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	1000	mg/kg	100	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	1000	mg/kg	100	ND

**Comment**

**PASS**

Test Item(s)	CAS NO.	Limit	Unit	MDL	004
<b>For the vinyl in a toy or child care article</b>					
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	30	ND

**For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age**

Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	1000	mg/kg	100	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	1000	mg/kg	100	ND

**Comment**

**PASS**

Test Item(s)	CAS NO.	Limit	Unit	MDL	008
<b>For the vinyl in a toy or child care article</b>					
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	30	90

**For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age**

Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	1000	mg/kg	100	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	1000	mg/kg	100	ND

**Comment**

**PASS**



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### 22. Total Lead Content in Substrate(Non Metal)

Test Method : With reference to Health Canada, Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.3.

Test Item(s)	Limit	Unit	MDL	001
Total Lead (Pb)	600	mg/kg	20	ND

Test Item(s)	Limit	Unit	MDL	002
Total Lead (Pb)	600	mg/kg	20	ND

Test Item(s)	Limit	Unit	MDL	007
Total Lead (Pb)	600	mg/kg	20	ND

Test Item(s)	Limit	Unit	MDL	008
Total Lead (Pb)	600	mg/kg	20	ND

Notes :

(1)The maximum permissible limit is quoted from the client requirement

Remark:

(1) Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result.

### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB20-009532.001	Transparent plastic sticker with colorful print on round piece
SN2	NGB20-009532.002	Transparent plastic film
SN3	NGB20-009532.004	Colorful coating
SN4	NGB20-009532.005	White paper instruction without coating
SN5	NGB20-009532.006	White &Blue gray paper card without coating
SN6	NGB20-009532.007	Black plastic round piece

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### 23. Mexican STANDARD NOM-252-SSA1-2011 for toys and school supplies - Heavy Metals

Test Method : As specified in the STANDARD NOM-252-SSA1-2011, NORMATIVE APPENDIX A. Analysis was performed by ICP-OES.



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Test Item(s)	Limit	Unit	MDL	001	002	004
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	005	006	007
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Conclusion				PASS	PASS	PASS

### 24. Claim Verification

Test Property	Test method	Requirements
*Claim verification	Client requirement	Verify any objective claim related to function (e.g. gun shots over 20 meters) and specification (e.g. puzzle in size 56 cm x 120 cm).  Remark: It's only applicable for Red Bird Cardinal line.

### Test results:

Claim	Actual data	Rating
107 cards, 1 collector's coin, 1 instruction sheet	107 cards, 1 collector's coin, 1 instruction sheet	Pass

Remark: This report updates test information.



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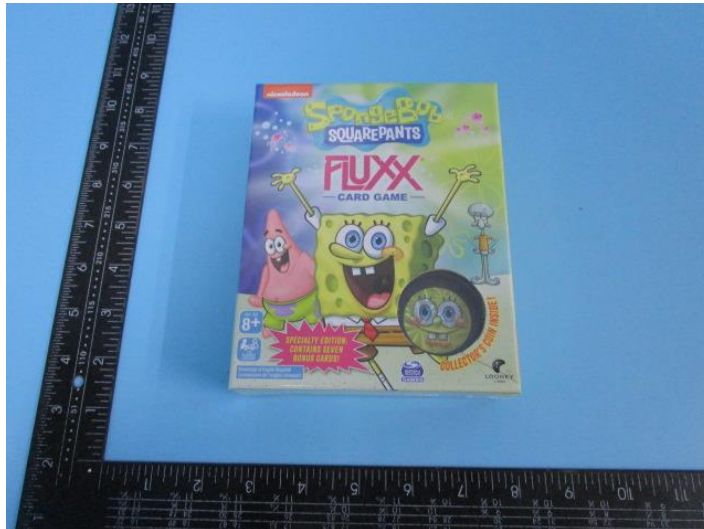
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## Test Report

No.: NBHL2003003005TY-01

Date: APR. 15, 2020

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RED BIRD HONG KONG LIMITED / SPIN MASTER TOYS FAR EAST LIMITED  
RM. 1113, 11/F, CHINACHEM GOLDEN PLAZA, 77 MODY ROAD,  
TST EAST, KOWLOON, HONG KONG

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: NBHL2003003005TY, DATE: APR. 01, 2020

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

CGI AGM SPNGBOBFLUXXLOONEYLABS GBC6PKSLD

Numbers of Samples : 6SETS  
Submitted  
Style No. / Item No. : 98460 / 1078333  
Family No.(if any) : 98460  
Phantom No. : 20129790  
P.O. / Ref. No. : 98460 / 1078333 / 6060204  
Special Requirement : N/A  
Responsible QE : MIKE LIANG  
Brand Name : CGI  
Sales Planning : 6060204  
Finished Goods No. : 1078333  
Date Code : 00115ATP  
Importer : N/A  
Supplier : N/A  
Manufacturer : NINGBO WAH HOI ANIMATION TOYS CO., LIMITED  
Country of Origin : CHINA  
Country of Destination : US/CA/EU/AU/MX  
Labelled Age Grading : AGE 8+  
Requested Age Grading : NOT PROVIDED

\*\*\*\*\*

Age Group Applied in : 8+ YEARS  
Testing  
Age Group Assessed As : 8+ YEARS  
Per Age Guideline  
Sample Receiving Date : MAR. 26, 2020  
Testing Period : MAR. 26, 2020 TO APR. 15, 2020



SGS-CSTC Ningbo Branch  
Ningbo Branch

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## Test Requested

1. AS/NZS 8124.1:2016 – Safety of toys – Part 1: Safety aspects related to mechanical and physical properties  
AS/NZS 8124.2:2016 – Safety of toys – Part 2: Flammability  
AS/NZS 8124.3:2012+A1:2016- Migration of Certain Elements
2. Claim Verification

## Result

PassPassPassPass

Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion.

Testing results only apply to the sample as received.

The declaration of conformity is only based on the actual value of laboratory activity while measurement uncertainty of the results is not taken into account.

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Ruby Gu

Ruby Gu  
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Ningbo Branch Harimines

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## Test Report

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## Test Conducted:

1. AS/NZS 8124.1:2016 – SAFETY OF TOYS – PART 1: SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN AS/NZS 8124.1:2016 – SAFETY OF TOYS – PART 1: SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	Requirements	
4.1	Normal use	Pass
4.3	<u>Material</u>	
	4.3.1 Material quality (Visual Examination)	Pass
<b>Annex B</b>	<b>Safety-labeling guidelines and manufacturer's markings</b>	
B.2	Safety-labeling guidelines	
B.2.2	Age grading	Pass
B.4	Manufacturer's Markings	Pass

## AS/NZS 8124.2:2016 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN AS/NZS 8124.2:2016 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause	Description	Result
4.1	General Requirements	Pass

Type of gas: Butane gas used in the test burner

N.B. : - Only applicable clauses were shown.

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB20-009530.001	Transaprent plastic sticker with colorful print on round piece
SN2	NGB20-009530.002	Transparent plastic film
SN3	NGB20-009530.004	Colorful coating
SN4	NGB20-009530.005	White paper instruction without coating
SN5	NGB20-009530.006	White &Blue gray paper card without coating
SN6	NGB20-009530.007	Black plastic round piece

## Remarks :

- (1) 1 mg/kg = 0.0001%  
(2) MDL = Method Detection Limit



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(3) ND = Not Detected ( &lt; MDL )

(4) "-" = Not Regulated

**AS/NZS 8124.3:2012+A1:2016- Migration of Certain Elements**

Test Method : As specified in the AS/NZS 8124.3:2012+A1:2016. analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002	004
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	005	006	007
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Notes :

(1) Results shown are of the adjusted analytical results.

**2. Claim Verification**

Test Property	Test method	Requirements
*Claim verification	Client requirement	Verify any objective claim related to function (e.g. gun shots over 20 meters) and specification (e.g. puzzle in size 56 cm x 120 cm).  Remark: It's only applicable for Red Bird Cardinal line.

**Test results:**

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Claim	Actual data	Rating
107 cards, 1 collector's coin, 1 instruction sheet	107 cards, 1 collector's coin, 1 instruction sheet	Pass

Remark: This report updates test information.



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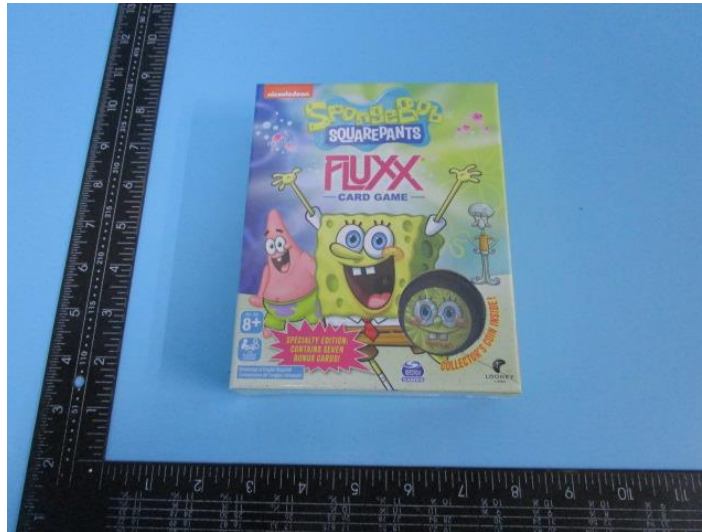
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### Sample Photo:



SGS authenticate the photo on original report only

\*\*\*End of Report\*\*\*



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