

CPST

Test Report

No. C170523015001

Date: May 27, 2017

Page 1 of 8

Progimpex – Promotional Gadgets Import & Export

(Robert)Schumanplein 2- 4 (Rondpunt)

1040 Brussel – Belgium

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The following samples were submitted and identified on behalf of the clients as

Sample Name: RED BOY SIMON PVC KEYCHAIN
State Age Grade used for Testing: 3+
Test Age: Over 3 years
Country of Destination: Belgium
CPST Internal Reference No.: C170523015
Sample Received Date: May 23, 2017
Test Period: May 23, 2017 to May 27, 2017

CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
	In accordance with the requirements of Europe toy safety Directive 2009/48/EC, to perform the related testing:	
RED BOY SIMON PVC KEYCHAIN	1)EN71-1:2014 – Physical and Mechanical Requirements	PASS
	2)EN71-2: 2011+A1:2014 – Flammability Requirements	PASS
	3)EN71-3: 2013+A1:2014 – Soluble Heavy Metals content	PASS

Signed for and on behalf of
Eurones Consumer Products Testing Service Co., Ltd



PREPARED BY :

REVIEWED BY:

APPROVED BY:

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Photo of the Submitted Sample



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Test result(s):

Description of Specimen	:	No.1	Plastic keychain doll without package
		No.2	Black hair
		No.3	Yellow skin
		No.4	Red T shirt
		No.5	Black pants
		No.6	White plastic of shoe
		No.7	Green plastic of shoe
		No.8	Black material of simon boy

1) Mechanical and physical properties—EN 71 : Part 1:2014

<u>Section</u>	<u>Description</u>	<u>Result</u>
		No.1
4	General requirement	
4.1	Material cleanliness (by visual assessment)	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
8	Test Methods	
8.3	Torque Test	Pass
8.4	Tension Test	Pass
8.5	Drop Test	Pass
8.7	Impact Test	Pass
8.8	Compression Test	Pass

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2) Flammability—EN 71 : Part 2 : 2011+A1:2014

Section	Description	Result
		No.1
4	REQUIREMENTS	
4.1	General	Pass

Note:

4.1 The following materials shall not be used in the manufacture of toys:

- Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid. Specific materials to which the test flame is applied in order to check compliance of the toy with requirements in 4.2 to 4.5 are considered to comply with this requirement if the toy meets its appropriate requirements in 4.2 to 4.5;
- Materials with a piled surface which produce surface flash on the approach of a flame. Piled surfaces showing no momentary area of flame over the area of the piled surface remote from the test flame are considered to meet this requirement;
- Highly flammable solids.

In addition, toys shall not contain flammable gases, highly flammable liquids, flammable liquids, flammable gels except as provided for below:

- Flammable liquids, flammable gels and preparations supplied in sealed containers having a maximum volume of 15 ml per container;
- Highly flammable liquids and flammable liquids being entirely retained within a porous material in capillary channels of writing instruments;
- Flammable liquids with a viscosity greater than $260 \times 10^{-6} \text{ m}^2/\text{s}$ corresponding to a flow time of more than 38 s when determined in accordance with EN ISO 2431 using cup No. 6;
- Highly flammable liquids contained in toys covered in EN 71-5.

NOTE: Different legal requirements may exist in non-EU countries.

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3) Soluble Heavy Metals —EN 71 : Part 3 : 2013+A1:2014

Test Method: With reference to EN 71-3:2013+A1:2014, analysis was performed by Instruments.

Test Items	Unit	Result				MDL
		Category III				
		No.2	No.3	No.4	No.5	
Soluble Aluminum(Al)	mg/kg	N.D.	N.D.	7	N.D.	5
Soluble Antimony(Sb)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.02
Soluble Arsenic(As)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.02
Soluble Barium(Ba)	mg/kg	N.D.	N.D.	N.D.	N.D.	5
Soluble Boron(B)	mg/kg	N.D.	N.D.	N.D.	N.D.	5
Soluble Cadmium(Cd)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.05
Soluble trivalent chromium(Cr ³⁺)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.05
Soluble hexavalent chromium(Cr ⁶⁺)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.02
Soluble Cobalt (Co)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.02
Soluble Copper (Cu)	mg/kg	N.D.	N.D.	N.D.	N.D.	5
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.05
Soluble Manganese (Mn)	mg/kg	N.D.	N.D.	N.D.	N.D.	5
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.02
Soluble Nickel (Ni)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.05
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	N.D.	0.2
Soluble strontium (Sr)	mg/kg	N.D.	N.D.	N.D.	N.D.	5
Soluble Tin (Sn)	mg/kg	N.D.	N.D.	N.D.	N.D.	5
Soluble Organotin	mg/kg	N.D.	N.D.	N.D.	N.D.	0.1
Soluble Zinc (Zn)	mg/kg	14	14	13	19	5
Conclusion	-	PASS	PASS	PASS	PASS	-

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Test Items	Unit	Result			MDL
		Category III			
		No.6	No.7	No.8	
Soluble Aluminum(Al)	mg/kg	32	13	N.D.	5
Soluble Antimony(Sb)	mg/kg	N.D.	N.D.	N.D.	0.02
Soluble Arsenic(As)	mg/kg	N.D.	N.D.	N.D.	0.02
Soluble Barium(Ba)	mg/kg	N.D.	N.D.	N.D.	5
Soluble Boron(B)	mg/kg	8	N.D.	N.D.	5
Soluble Cadmium(Cd)	mg/kg	N.D.	N.D.	N.D.	0.05
Soluble trivalent chromium(Cr ³⁺)	mg/kg	N.D.	N.D.	N.D.	0.05
Soluble hexavalent chromiump(Cr ⁶⁺)	mg/kg	N.D.	N.D.	N.D.	0.02
Soluble Cobalt (Co)	mg/kg	N.D.	N.D.	N.D.	0.02
Soluble Copper (Cu)	mg/kg	17	12	N.D.	5
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	0.05
Soluble Manganese (Mn)	mg/kg	N.D.	N.D.	N.D.	5
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	0.02
Soluble Nickel (Ni)	mg/kg	N.D.	N.D.	N.D.	0.05
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	0.2
Soluble strontium (Sr)	mg/kg	N.D.	N.D.	N.D.	5
Soluble Tin (Sn)	mg/kg	N.D.	N.D.	N.D.	5
Soluble Organotin	mg/kg	N.D.	N.D.	N.D.	0.1
Soluble Zinc (Zn)	mg/kg	38	14	60	5
Conclusion	-	PASS	PASS	PASS	-

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

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Annex

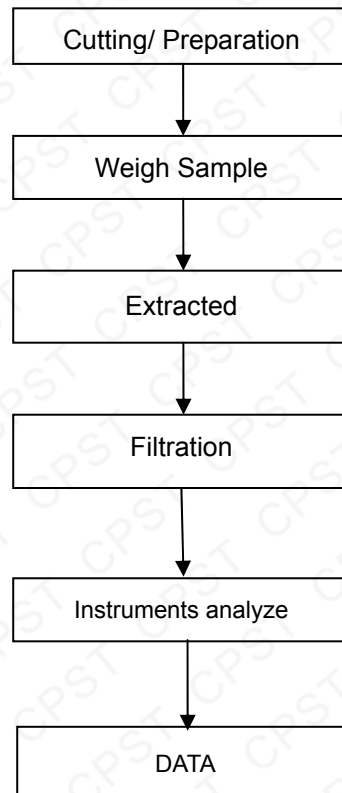
Soluble Element	Limit (mg/kg)		
	Category I	Category II	Category III
	Dry, brittle, powder-like or pliable toy material	Liquid or sticky toy material	Scraped-off toy material
Soluble Aluminum(Al)	5625	1406	70000
Soluble Antimony(Sb)	45	11.3	560
Soluble Arsenic(As)	3.8	0.9	47
Soluble Barium(Ba)	1500	375	18750
Soluble Boron(B)	1200	300	15000
Soluble Cadmium(Cd)	1.3	0.3	17
Soluble trivalent chromium(Cr ³⁺)	37.5	9.4	460
Soluble hexavalent chromium(Cr ⁶⁺)	0.02	0.005	0.2
Soluble Cobalt (Co)	10.5	2.6	130
Soluble Copper (Cu)	622.5	156	7700
Soluble Lead (Pb)	13.5	3.4	160
Soluble Manganese (Mn)	1200	300	15000
Soluble Mercury (Hg)	7.5	1.9	94
Soluble Nickel (Ni)	75	18.8	930
Soluble Selenium (Se)	37.5	9.4	460
Soluble strontium (Sr)	4500	1125	56000
Soluble Tin (Sn)	15000	3750	180000
Soluble Organotin	0.9	0.2	12
Soluble Zinc (Zn)	3750	938	46000

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Soluble Heavy Metals Testing Flow Chart

- 1) Name of the person who made measurement: Andy Wang
- 2) Name of the person in charge of measurement: James Wang



*** End of Report ***

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