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TAI CHENG INTERNATIONAL LTD ROOM508, CRE CENTRE, 889 CHEUNG SHA WAN ROAD, KOWLOON, HONGKONG

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

ROTO FRUITS (ORANGE / STRAWBERRY / MONGUE)

Sample Quantity : 12 PCS
Country of Origin : CHINA
Country of Destination : FRANCE

Labeled Age Grading : 3+ Requested Age Grading : 3+

Age Group Assessed As Per Age Guideline : OVER 3 YEARS
Age Group Applied in Testing : OVER 3 YEARS
Sample Receiving Date : JUL 25, 2013
Further Information Date : AUG 07, 2013

Testing Period : JUL 25, 2013 TO AUG 08, 2013

Test Re	Test Requested					
1.	For compliance with the European Standard on Safety of Toys :-					
	- EN 71 Part 1:2011- Mechanical and Physical Properties	PASS				
	- EN 71 Part 2:2011- Flammability of Toys	PASS				
	- EN 71-3:2013 – Migration of certain elements (All conclusive testing)	PASS				
	- Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	SEE RESULT PAGE				

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Test Re	Test Requested						
2.	Food Imitations (Safety) Regulations 1989 (SI 1989 No. 1291) - (To Implement of European Community Dangerous Imitations Directive 87/357/EEC) – heavy metal content	PASS					
3.	Article 11 of European Directive 94/62/EC and its amendments – Total Lead, Cadmium, Mercury and Hexavalent Chromium content	PASS					
4.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Cadmium content	PASS					
5.	Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH) and Its Amendments (previously restricted under Directive 2005/84/EC) – Phthalates Content	PASS					
6.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Benzene content	PASS					
7.	Pentabromodiphenyl ether (Penta-BDE) and Octabromodiphenyl ether (Octa-BDE)	SEE RESULT					
8.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Organostannic compounds	PASS					

Signed for and on behalf of SGS-CSTC Standard Technical Services Co., Ltd. Shenzhen Branch-Toy laboratory

Lin Shuzhen, Dora Lab Manager

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Results:

1. European Standard on Safety of Toys

- Mechanical and Physical Properties

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS - EN 71 Part 1:2011

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and Metallic Wires	<u>Pass</u>
4.22	Small balls	<u>Pass</u>
5	Toys intended for children under 36 months	N/A
7	Warnings, markings and instructions for use	See result page
7.1	General Requirements	<u>Pass</u>
7.2	Toys not intended for children under 36months	<u>Pass</u> (See Remark)

N/A = Not Applicable

- Flammability of Toys

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS - EN71 PART 2: 2011

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	<u>Pass</u>

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EN 71-3:2013 - Migration of certain elements

Category III: Scrapped-off toy material

Method: With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS and organic tin was analyzed by GC-MS.

Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			1	2	3		
Mass of trace amount		(mg)					
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70,000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18,750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium [#] (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.18	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	160
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	81.2	4.9	180,000
Soluble Organic Tin [^]		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46,000

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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			4	5	6		
Mass of trace amount		(mg)			20.1		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70,000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18,750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium# (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium# (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.18	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	160
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	41.3	4.9	180,000
Soluble Organic Tin [^]		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46,000

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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			7	8	9		-
Mass of trace amount		(mg)	65.5	30.1	37.0		
Soluble Aluminium	(AI)	(mg/kg)	299	ND	ND	50	70,000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18,750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	1.38	ND	ND	0.15	
Soluble Chromium# (III)	(Cr (III))	(mg/kg)	1.38	ND	ND	1	460
Soluble Chromium [#] (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.18	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	160
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	4.9	180,000
Soluble Organic Tin [^]		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46,000

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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			10	11	12		
Mass of trace amount		(mg)	20.2	55.9	20.6		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70,000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18,750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium [#] (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.18	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	160
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	4.9	180,000
Soluble Organic Tin [^]		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46,000

Specimen Description:

- 1. Orange soft plastic (Body, hat, hand, leg)
- White soft plastic (Hand, leg)
- 3. Coffee soft plastic (Hat)
- 4. Dk. red soft plastic (Body)
- 5. Green soft plastic (Body)
- 6. Transparent dry glue
- 7. Coffee coating on soft plastic (Hat)
- 8. Green coating on soft plastic (Hat)
- 9. Red coating on soft plastic (Hand, leg)

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Specimen Description:

- 10. Orange-red coating on soft plastic (Head)
- 11. Lt. green coating on soft plastic (Hand, leg)
- 12. Orange coating on soft plastic (Hand)

Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- -1% = 10000 mg/kg = 10000 ppm
- * Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013
- ^ 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 EN71-3: 2013.
- As received, test portion of white (Eye, teeth), dull coffee (Hat), Dk. coffee (Eye, mouth), black (Eye), yellow (Spot), dull yellow (Head) coating on soft plastic is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN71-3:2013.

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 Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC – Safety of toys

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not Applicable	
CE mark	Present	Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Absent	
Product ID	Present	Packaging

Note

- According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed
 and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except
 if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable,
 provide instructions on how the toy has to be cleaned.
- 2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
- 3. 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.
- 4. 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.

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

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2. Heavy Metal Requirements of Food Imitations

Method: With reference to EN71 part 3: 1994 + A1: 2000 + AC: 2002

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test Item(s)			Pb	Sb	As	Ва	Cd	Cr	Hg	Se	Mass of
Permissible Limit (mg/kg)			90	60	25	1000	75	60	60	500	trace
Specimen No.	Alias No.	Tracing No.		Adjusted Soluble Result(s) (mg/kg)							amount (mg)
1	9	1	ND	ND	ND	ND	ND	ND	ND	ND	/
2	9	2	ND	ND	ND	ND	ND	ND	ND	ND	/
3	9	3	ND	ND	ND	ND	ND	ND	ND	ND	/
4	9	4	ND	ND	ND	ND	ND	ND	ND	ND	/
5	9	5	ND	ND	ND	ND	ND	ND	ND	ND	/
6	9	6	ND	ND	ND	ND	ND	ND	ND	ND	20.1
7	9	7	ND	ND	ND	ND	ND	ND	ND	ND	65.5
8	9	8	ND	ND	ND	ND	ND	ND	ND	ND	30.1
9	9	9	ND	ND	ND	ND	ND	ND	ND	ND	37.0
10	9	10	ND	ND	ND	ND	ND	ND	ND	ND	20.2
11	9	11	ND	ND	ND	ND	ND	ND	ND	ND	55.9
12	9	12	ND	ND	ND	ND	ND	ND	ND	ND	20.6

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Specimen Description:

- 1. Orange soft plastic (Body, hat, hand, leg)
- 2. White soft plastic (Hand, leg)
- 3. Coffee soft plastic (Hat)
- 4. Dk. red soft plastic (Body)
- 5. Green soft plastic (Body)
- 6. Transparent dry glue
- 7. Coffee coating on soft plastic (Hat)
- 8. Green coating on soft plastic (Hat)
- 9. Red coating on soft plastic (Hand, leg)
- 10. Orange-red coating on soft plastic (Head)
- 11. Lt. green coating on soft plastic (Hand, leg)
- 12. Orange coating on soft plastic (Hand)

Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- MDL for each of Pb, Sb, Cd, Cr and Hg = 5 mg/kg
- MDL for each of Ba and Se = 10 mg/kg
- MDL for As = 2.5 mg/kg
- Results of soluble elements shown are of the adjusted analytical results
- As received, test portion of white (Eye, teeth), dull coffee (Hat), Dk. coffee (Eye, mouth), black (Eye), yellow (Spot), dull yellow (Head) coating on soft plastic is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN71 part 3:1994, Clause 7 selection of test portions.

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3. Article 11 of European Directive 94/62/EC and its amendments – Total Lead, Cadmium, Mercury and Hexavalent Chromium Content

Method: With reference to US EPA 3052: 1996 and IEC 62321: 2008

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Ultraviolet Visible Spectrophotometer (UV-Vis)

Test Item(s)		Pb	Cd	Hg	Cr(VI)	Total (Pb + Cd + Cr(VI)+ Hg)	
MDL(mg/kg)			5	5	5	5	
Permissible	Limit (n	ng/kg)					100
Specimen No.	Alias No.	Tracing No.					
1	1	1	ND	ND	ND	ND [#]	ND
2	1	2	ND	ND	ND	ND [#]	ND
3	1	3	ND	ND	ND	ND [#]	ND
4	1	4	ND	ND	ND	ND [#]	ND
5	1	5	ND	ND	ND	ND [#]	ND
6	2	1	ND	ND	ND	ND	ND
7	2	2	ND	ND	ND	ND [#]	ND

Specimen Description:

- 1. Transparent plastic sheet (Tray)
- 2. Transparent plastic sheet (Window)
- 3. White surfaced grey paper board (Box)
- 4. White paper sheet (Instruction)
- 5. White thread (Binding)
- 6. Multi-color coating on paper board (Box)
- 7. Multi-color coating on paper sheet (Instruction)

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Note: - mg/kg = milligram per kilogram

-1% = 10000 mg/kg = 10000 ppm

- MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)

- Results shown as ND are ignored in the sum calculation
- # = The result of Hexavalent chromium (Cr(VI)) is considered as "Not Detected" since the total chromium content determined by acid digestion is "Not Detected".

4. Regulation (EC) No. 1907/2006 (REACH), Annex XVII and its Amendments - Cadmium Content

Method: With reference to EN1122: 2001 method B / US EPA 3052: 1996 Analysis was performed by Atomic Absorption Spectrometer (AAS)

For Plastic

Test Item(s)	Cadmium (Cd)		
Permissible Limit (mg/kg)	100		
Specimen Description	Tracing No.	Result(s) (mg/kg)	
Orange soft plastic (Body, hat, hand, leg) + White soft plastic (Hand, leg) + Coffee soft plastic (Hat)	4	1	ND
Dk. red soft plastic (Body) + Green soft plastic (Body) w/ transparent dry glue	4	2	ND

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For Paint on Painted Article

Те	Cadmium (Cd)						
Pe	1000						
Sp	Specimen Description Alias No. No.						
1.	Coffee w/ dull coffee coating on soft plastic (Hat) + Green coating on soft plastic (Hat) w/ red coating on soft plastic (Hand, leg)	5	1	ND			
2.	Orange-red w/ dull yellow coating on soft plastic (Head) + Orange coating on soft plastic (Hand) w/ yellow coating on soft plastic (Spot)	5	2	ND			
3.	Lt. green coating on soft plastic (Hand, leg) w/ Dk. coffee, white (Eye, mouth), black (Eye) coating on soft plastic	5	3	ND			

Note:

- Requirement, Permissible and Reference Limit specified by Commission Regulation (EU) No 494/2011 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 and directive 91/338/EC).
- mg/kg = milligram per kilogram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit = 5 mg/kg
- -1% = 10000 mg/kg = 10000 ppm
- The result(s) is (are) calculated using the minimum specimen weight for composite test.

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5. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Phthalate content

Method: With reference to CPSC-CH-C1001-09.3

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Materials can be placed in the Mouth

Test Item(s)			Re					
Alias No.		6	6	6	6	6	MDL (%)	Permissible Limit (%)
Tracing No.		1	2	3	4	5		
Specimen No.		1	2	3	4	5		
Dibutyl Phthalate	(DBP)	ND	ND	ND	ND	ND	0.003	
Benzylbutyl Phthalate	(BBP)	ND	ND	ND	ND	ND	0.003	
Bis-(2-ethylhexyl) Phthalate	(DEHP)	ND	ND	ND	ND	ND	0.003	
Diisononyl Phthalate	(DINP)	ND	ND	ND	ND	ND	0.010	
Di-n-octyl Phthalate	(DNOP)	ND	ND	ND	ND	ND	0.003	
Diisodecyl Phthalate	(DIDP)	ND	ND	ND	ND	ND	0.010	
Total (DBP+BBP+DEHP)		ND	ND	ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND	ND	ND		0.1

Specimen Description:

- 1. Orange soft plastic (Body, hat, hand, leg) + White soft plastic (Hand, leg) + Coffee soft plastic (Hat)
- 2. Dk. red soft plastic (Body) + Green soft plastic (Body) w/ transparent dry glue
- 3. Coffee w/ dull coffee coating on soft plastic (Hat) + Green coating on soft plastic (Hat) w/ red coating on soft plastic (Hand, leg)
- 4. Orange-red w/ dull yellow coating on soft plastic (Head) + Orange coating on soft plastic (Hand) w/ yellow coating on soft plastic (Spot)
- 5. Lt. green coating on soft plastic (Hand, leg) w/ Dk. coffee, white (Eye, mouth), black (Eye) coating on soft plastic

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Note: ND = Not Detected (lower than MDL)

MDL = Method Detection Limit

% = percentage by weight

Results shown as ND are ignored in the sum calculation

The result(s) is (are) calculated using the total specimen weight for composite test

European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Benzene content

Analysis was performed by Headspace Gas Chromatography Mass Spectrometer (HS-GC-MS)

Test Item(s)		Re	sult(s) (mg/	kg)			
Specimen No.	1	2	3	4	5	MDL	Permissible
Alias No.	7	7	7	7	7	(mg/kg)	Limit (mg/kg)
Tracing No.	1	2	3	4	5		
Benzene	ND	ND	ND	ND	ND	1	5

Specimen Description:

- Orange soft plastic (Body, hat, hand, leg) + White soft plastic (Hand, leg) + Coffee soft plastic (Hat)
- 2. Dk. red soft plastic (Body) + Green soft plastic (Body) w/ transparent dry glue
- Coffee w/ dull coffee coating on soft plastic (Hat) + Green coating on soft plastic (Hat) w/ red coating on soft plastic (Hand, leg)
- 4. Orange-red w/ dull yellow coating on soft plastic (Head) + Orange coating on soft plastic (Hand) w/ yellow coating on soft plastic (Spot)
- 5. Lt. green coating on soft plastic (Hand, leg) w/ Dk. coffee, white (Eye, mouth), black (Eye) coating on soft plastic

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ticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com



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Note: - mg/kg = milligram per kilogram

% = percentage by weight

1% = 10000 mg/kg = 10000 ppm

ND = Not Detected (lower than MDL)

MDL = Method Detection Limit = 1 mg/kg

The result(s) is (are) calculated using the total specimen weight for composite test.

7. Pentabromodiphenyl Ether (Penta-BDE) and Octabromodiphenyl Ether (Octa-BDE) Content

Method: Solvent extraction

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)		MDL					
rest item(s)	1	2	3	4	(mg/kg)		
Pentabromodiphenyl ether (Penta BDE)	ND	ND	ND	ND	5		
Octabromodiphenyl ether (Octa-BDE)	ND	ND	ND	ND	5		
Comment	PASS	PASS	PASS	PASS			

Test Item(s)		MDL			
rest item(s)	5	6	7	(mg/kg)	
Pentabromodiphenyl ether (Penta BDE)	ND	ND	ND	5	
Octabromodiphenyl ether (Octa-BDE)	ND	ND	ND	5	
Comment	PASS	PASS	PASS		

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Specimen Description:

- 1. Orange soft plastic (Body, hat, hand, leg)
- 2. White soft plastic (Hand, leg)
- 3. Coffee soft plastic (Hat)
- 4. Dk. red soft plastic (Body)
- 5. Green soft plastic (Body) w/ transparent dry glue
- 6. Coffee w/ dull coffee coating on soft plastic (Hat), green coating on soft plastic (Hat), red coating on soft plastic (Hand, leg)
- Orange-red w/ dull yellow coating on soft plastic (Head), Orange coating on soft plastic (Hand), yellow
 coating on soft plastic (Spot), Lt. green coating on soft plastic (Hand, leg), Dk. coffee, white (Eye, mouth),
 black (Eye) coating on soft plastic

Note: - mg/kg = milligram per kilogram

- -1% = 10000 mg/kg = 10000 ppm
- MDL = Method Detection Limit
- ND = Not Detected (lower than MDL)

8. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Organostannic compounds

Method: With reference to ISO 17353: 2004

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	Result(s) (%)						
Specimen No.	1	2	3	4	5	MDL	Permissible
Alias No.	8	8	8	8	8	(%)	Limit (%)
Tracing No.	1	2	3	4	5		
Dibutyltin (DBT) (as Tin)	ND	ND	ND	ND	ND	0.010	0.1
Tri-substituted Organostannic Compounds (as Tin)	ND	ND	ND	ND	ND	0.010	0.1

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Specimen Description:

- 1. Orange soft plastic (Body, hat, hand, leg) + White soft plastic (Hand, leg) + Coffee soft plastic (Hat)
- 2. Dk. red soft plastic (Body) + Green soft plastic (Body) w/ transparent dry glue
- 3. Coffee w/ dull coffee coating on soft plastic (Hat) + Green coating on soft plastic (Hat) w/ red coating on soft plastic (Hand, leg)
- Orange-red w/ dull yellow coating on soft plastic (Head) + Orange coating on soft plastic (Hand) w/ yellow coating on soft plastic (Spot)
- 5. Lt. green coating on soft plastic (Hand, leg) w/ Dk. coffee, white (Eye, mouth), black (Eye) coating on soft plastic

Note: - % = percentage by weight

- MDL = Method Detection Limit
- ND = Not Detected (lower than MDL)
- Tri-substituted Organostannic compounds are represented by Tributyltin (TBT) compounds, Triphenyltin (TPT) compounds, Tricyclohexyltin (TCyT) compounds and Tri-n-octyltin (TOT) compounds
- The result(s) is (are) calculated using the total specimen weight for composite test.

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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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