

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 1 of 7

Applicant: GOYA IMPORTACIONES Y DISTRIBUCIONES S.L.

Address: PLATAFORMA LOGISTICA DE ZARAGOZA C/TRAPANI 27 EDIFICIO 50197 SPAIN

The following merchandise was (were) submitted and identified by Applicant as:

Sample Name: Crayon

Packaging Provided No

Labelled Age Group: --

Tested Age Grading: 3+

Appropriate Age Grading: 3+

Applicant's Specified Testing Age Group: 3+

Sample Received Date: Jun. 14, 2016

Test Period: Jun. 14, 2016 to Jun. 20, 2016

Test Result(s): Please refer to next page(s).

Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Tested materials of submitted samples	EN 71-3:2013+A1:2014 - Migration of certain elements (Category III)	PASS
2	Submitted sample	EN 71-1:2014, European Standard for "Safety of toys" - Physical and Mechanical Properties (Excluding Section 6, 7)	PASS
3	Submitted sample	EN 71-2:2011+A1:2014, European Standard for "Safety of toys" - Flammability	PASS

Signed for and on Behalf of CTT

Xiaoying.He / Technical Manager
Consumer Testing Technology Co., Ltd.

Signed for and on Behalf of CTT

Wang Rui / Technical Manager
Consumer Testing Technology Co., Ltd.

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Test Report

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 2 of 7

Test Result(s):

Migration of Certain Elements (General Elements) - EN71-3 (Category III)

Method: With reference to EN 71-3:2013+A1:2014 Annex E & F, analyzed by Inductively Coupled Plasma Atomic Emission spectroscopy (ICP-AES) and Ion Chromatograph Ultraviolet spectroscopy (IC-UV).

Substance	RL (mg/kg)	Limit (mg/kg)	Result (mg/kg)			
			1	2	3	4
Aluminium (Al)	5	70000	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	5	560	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	2.5	47	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5	18750	N.D.	N.D.	N.D.	N.D.
Boron (B)	5	15000	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	5	17	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr ³⁺)	2.0	460	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr ⁶⁺)	0.15	0.2	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	5	130	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5	7700	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	5	160	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5	15000	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	5	94	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5	930	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5	460	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5	56000	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	2.5	180000	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5	46000	N.D.	N.D.	N.D.	N.D.
Conclusion(s)			PASS	PASS	PASS	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.

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Test Report

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 3 of 7

Test Result(s):

Migration of Certain Elements (Organic Tin) - EN71-3 (Category III)

Method: With reference to EN 71-3:2013+A1:2014 Annex G, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substance	RL (mg/kg)	Limit (mg/kg)	Result (mg/kg) ☆			
			1	2	3	4
Methyl Tin(MeT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Butyl Tin(BuT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Dibutyl Tin(DBT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Tributyl Tin(TBT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Tetrabutyl Tin(TeBT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Monooctyl Tin(MOT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Diocetyl Tin(DOT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Dipropyl Tin(DProT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Diphenyl Tin(DPhT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Triphenyl Tin(TPhT)	0.2	--	N.D.	N.D.	N.D.	N.D.
Sum of Organic Tins		12	N.D.	N.D.	N.D.	N.D.
Conclusion(s)			PASS	PASS	PASS	PASS

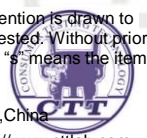
- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. "--" = Not Applicable.
 3. N.D. = Not Detected (< RL).
 4. RL = Reporting Limit.
 5. "☆" = The migration of organic tin is expressed as tributyltin.

Test Material List:

The following materials apply only to the samples submitted for chemical testing

Material No.	Description	Location	Remark
1	Yellow wax	Crayon body	--
2	Green wax	Crayon body	--
3	Red wax	Crayon body	--
4	Blue wax	Crayon body	--

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Test Report

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 4 of 7

Test Result(s):

Mechanical and Physical Test - EN 71-1:2014 ⁿ

Section	Testing Items	Assessment
		Crayon (yellow)
4	General requirements	PASS
4.1	Material cleanliness	PASS
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	Toys intended for children under 36 months	
5.1	General requirements:	NA
5.2	Soft-filled toys and soft-filled parts of toy	NA

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Test Report

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 5 of 7

5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibers	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NR*
7	Warnings, markings and instructions for use	
7.1	General	NR*
7.2	Toys not intended for children under 36 months	NR*
7.3	Latex balloons	NR*
7.4	Aquatic toys	NR*
7.5	Functional toys	NR*
7.6	Hazardous sharp functional edges and points	NR*
7.7	Projectiles	NR*
7.8	Imitation protective masks and helmets	NR*
7.9	Toy kites	NR*
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NR*
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NR*
7.12	Liquids-filled teethingers	NR*
7.13	Percussion caps specifically designed for use in toys	NR*
7.14	Acoustics	NR*
7.15	Toy bicycles	NR*
7.16	Toys intended to bear the mass of a child	NR*
7.17	Toys comprising monofilament fibres	NR*

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Test Report

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 6 of 7

7.18	Toy scooters	NR*
7.19	Rocking horses and similar toys	NR*
7.20	Magnetic/electrical experimental sets	NR*
7.21	Toys with electrical cables exceeding 300mm in length	NR*
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NR*

- Note:**
1. NA = Not Applicable.
 2. NR = Not Required.
 3. "*" = Per client's requirement, the packaging was not evaluated.

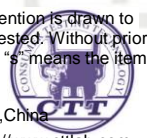
The submitted samples were undergone the use and abuse tests in accordance with the EN 71-1:2014ⁿ.

Testing Items	Parameter
Torque test	0.34Nm

Flammability - EN 71-2:2011+A1:2014

Section	Testing Items	Assessment
		Crayon (red)
4.1	General requirements	PASS
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

- Note:**
1. NA = Not Applicable.



Test Report

Report No.: CTT160630496EN

Date: Jun. 20, 2016

Page 7 of 7

Photo of Sample:



End of Report

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