



Test Report

Report No. A2230383784104002

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Company Name shown on Report SHENZHEN U MAY GIFT CO., LTD
Address NO. 102,1F, TIANSHI BUILDING, MEIHE YIGU, BAOAN DISTRICT 28 SHENZHEN CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	PLUSH PLANET
Item No.	ERY2023-05
P.O. No.	ERY2023-05
Buyer	EastRegency Industries LLC
Manufacturer	Shenzhen Umay Gift Co., Ltd
Supplier	Shenzhen Umay Gift Co., Ltd
Country of Origin	CHINA
Exported to	Europe
Quantity Of Sample	13*5 PCS
Client Specified Age Grading	3+
Labeled Age Grading	0+
Age Group Applied in Testing	ALL AGES
Sample Received Date	Aug. 25, 2023
Sample Resubmitted Date	Aug. 31, 2023/Sep. 11, 2023
Testing Period	Aug. 25, 2023 to Sep. 12, 2023

Test Conducted:

As requested by the Company Name shown on Report . For details refer to next page(s)



Chen Kaimin

Chen Kaimin
Authorized Signatory

Hebe Wu

Hebe Wu
Authorized Signatory

Date Sep. 13, 2023

No. T345037851

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No.1351, Wanfang Road, Minhang District, Shanghai, China

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Executive Summary:**TEST REQUEST****CONCLUSION**

1) European Standard on Safety of Toys	
- EN 71-1:2014+A1:2018(E) Mechanical and Physical Properties	PASS
- EN 71-2:2020 Flammability of Toys	PASS
- Labeling requirement (Washing Label, CE mark, Manufacture/Importer mark and product identification)—Directive 2009/48/EC Safety of toys	REFER TO NEXT PAGES
- EN 71-3:2019+A1:2021 Migration of certain elements	PASS
2) Toy Safety Directive 2009/48/EC with amendment(s)	
- Bisphenol A	PASS
3) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)	
- Cadmium and its compounds	PASS
- Azo colourants	PASS
- Phthalates in plasticized materials	PASS
4) Color Fastness to Rubbing	See test result(s)

***** For further details, please refer to the following page(s)*****

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1) European Standard on Safety of Toys**▼ Mechanical and physical properties**

As specified in European Standard on Safety of Toys EN 71-1:2014+A1:2018 (E)

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness.....	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
5	Toys intended for children under 36 months	
5.1	General requirements.....	PassA
5.2	Soft-filled toys and soft-filled parts of a toy	Pass
6	Packaging	Pass

Remark:

The result with mark A means that the final testing result of the clause was based on the re-submitted sample.

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▼ **Flammability of Toys**

As specified in European Standard on Safety of Toys EN 71-2: 2020.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	General (The following materials shall not be used in the manufacture of toys except as provided in EN 71-2:2020 : Celluloid, highly flammable solids, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.)	Pass
4.5	Soft-filled toys	Pass (See Note 1)

Note 1:

(Clause 4.5) Soft Filled Toys

Sample	Burning rate (mm/sec)
Plush toys	13.3(SE)

(The rate of spread of flame on the surface shall be not be more than 30 mm/sec or shall self-extinguish.)

SE=Self-Extinguished

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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	Found	Affixed label
CE mark	Found	Affixed label
Importer's Name & Address	Found	Affixed label
Manufacturer's Name & Address	Found	Affixed label
Product ID	Found	Affixed label

Note:

①: 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 shall, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.

②: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principle set out in Article 30 of Regulation (EC) NO 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.

③: The manufacturer's name registered trade name or registered trade mark and the address at which the manufacture 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. This requirement applies also to the name and address etc. of any importer.

④: Manufacturer 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.

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▼ Migration of certain elements

Method(s) EN 71-3:2019+A1:2021 was/were used, and the item(s) was/were determined by ICP-OES, ICP-MS, IC-UV and/or GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)					MDL	Limit
	001	002	003	004	005	(mg/kg)	(mg/kg)
Aluminium (Al)	54	N/A ^{#01}	80	179	N.D.	50	28130
Antimony (Sb)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	N/A ^{#01}	--	--	--	1	12
Zinc (Zn)	98	N/A ^{#01}	N.D.	N.D.	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	006	007	009	011	012		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	014	015	017	018	019		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	5	8	9	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	020	021	022	023	024		
Aluminium (Al)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	N/A ^{#01}	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N/A ^{#01}	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	025	026	027	028	029		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	12	37	N.D.	46	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>					<u>MDL</u>	<u>Limit</u>
	030	031	032	033	034	(mg/kg)	(mg/kg)
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	28130
Antimony (Sb)	19	25	N.D.	34	N/A ^{#01}	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	N/A ^{#01}	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N/A ^{#01}	50	46000

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Tested Item(s)	Result (mg/kg)					MDL	Limit
	035	036	037	038	039	(mg/kg)	(mg/kg)
Aluminium (Al)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	8	N/A ^{#01}	5	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	N/A ^{#01}	--	--	--	1	12
Zinc (Zn)	N.D.	N/A ^{#01}	N.D.	N.D.	N.D.	50	46000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>					<u>MDL</u>	<u>Limit</u>
	040	041	042	043	044	(mg/kg)	(mg/kg)
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	28	12	27	28	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>					<u>MDL</u>	<u>Limit</u>
	045	046	047	048	049	(mg/kg)	(mg/kg)
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	26	N.D.	N.D.	26	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	050	051	052	053	054		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	--	--	--	1	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL</u>	<u>Limit</u>
	055	056	(mg/kg)	(mg/kg)
Aluminium (Al)	N.D.	N.D.	50	28130
Antimony (Sb)	36	6	5	560
Arsenic (As)	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	1	17
Chromium (Cr)	N.D.	N.D.	1	--
Chromium (III) ^{#1}	N.D.	N.D.	1	460
Chromium (VI)	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	--	1	12
Zinc (Zn)	N.D.	N.D.	50	46000

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- N/A^{#01} = Not Applicable, indicates the test portion(s) is/are less than 10mg, therefore such components was/were not tested for migration of certain elements, as specified in the European standard on safety of toys EN 71-3:2019+A1:2021, clause 7 – selection of test portions.
- Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used.
- ^{#1} Trivalent chromium (Cr (III)) = Chromium (Cr) - Hexavalent chromium (Cr (VI)).
- ^{#2} Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2019+A1:2021.
- ^{#3} The migration of organic tin is expressed as tributyltin (TBT). Where the tin content exceeded the limit of organic tin, eleven organic tins listed in the table were determined by GC-MS and the client should note there are other organic tins that may be present in toy materials.

Organic tins tested under EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)
Dimethyl tin (DMT)

Note:

- Only applicable clause(s) was/were shown

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2) Toy Safety Directive 2009/48/EC with amendment(s)

▼ Bisphenol A

As specified in Toy Safety Directive 2009/48/EC with amendment 2017/898/EU, Bisphenol A was determined with reference to EN 71-10:2005 -Sample preparation and extraction and EN 71-11:2005-Methods of analysis.

<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/L)</u>			<u>MDL</u> (mg/L)	<u>Limit</u> (mg/L)
		006	007	009		
Bisphenol A	80-05-7	N.D.	N.D.	N.D.	0.04	0.04

<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/L)</u>			<u>MDL</u> (mg/L)	<u>Limit</u> (mg/L)
		011	012	014		
Bisphenol A	80-05-7	N.D.	N.D.	N.D.	0.04	0.04

<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/L)</u>		<u>MDL</u> (mg/L)	<u>Limit</u> (mg/L)
		015	017		
Bisphenol A	80-05-7	N.D.	N.D.	0.04	0.04

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/L = milligram per liter

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3) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)

▼ Cadmium and its compounds

Entry 23, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No. 552/2009 & No. 494/2011 & No. 835/2012 & No. 2016/217

Test Method: EN 1122:2001(E) method B; Test Equipment: ICP-OES

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001+002	003+004+005		
Cadmium (Cd)	N.D.	N.D.	5	1000

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	006+007+008	009+010+011	012+013		
Cadmium (Cd)	N.D.	N.D.	N.D.	5	100

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	014	015	017		
Cadmium (Cd)	N.D.	N.D.	N.D.	5	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

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▼ **Azo colourants**

Entry 43, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009

Test Method: ISO 14362-1:2017(E); Test Equipment: GC-MS and/or HPLC

Tested Item(s)	CAS No.	Result (mg/kg)			MDL (mg/kg)
		014	015	017	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl-4,4'-Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)
		018	019+024+ 028	020+023+ 025	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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Tested Item(s)	CAS No.	Result (mg/kg)			MDL (mg/kg)
		021	022	026	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'-Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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Tested Item(s)	CAS No.	Result (mg/kg)			MDL (mg/kg)
		027	031	032+034+ 036	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/kg)</u>			<u>MDL (mg/kg)</u>
		033	035	037+039+ 042	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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Tested Item(s)	CAS No.	Result (mg/kg)			MDL (mg/kg)
		038+040+ 047	041	043	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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Tested Item(s)	CAS No.	Result (mg/kg)			MDL (mg/kg)
		044+046+ 051	045	048	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

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Tested Item(s)	CAS No.	Result (mg/kg)			MDL (mg/kg)
		049+052+ 054	055	056	
4-Aminodiphenyl	92-67-1	N.D.	N.D.	N.D.	5
Benzidine	92-87-5	N.D.	N.D.	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	N.D.	N.D.	5
2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	N.D.	N.D.	5
P-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	N.D.	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	5
3,3'-Dimethyl- 4,4'Diaminodiphenylmethane	838-88-0	N.D.	N.D.	N.D.	5
P-Cresidine	120-71-8	N.D.	N.D.	N.D.	5
4,4'-Methylene- Bis(2-Chloroaniline)	101-14-4	N.D.	N.D.	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	5
O-Toluidine	95-53-4	N.D.	N.D.	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	N.D.	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	5
O-Anisidine	90-04-0	N.D.	N.D.	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	N.D.	N.D.	5
2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	5
2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	5

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Requirement: ≤ 30 mg/kg
- Results shown of additional Amines 2,4-Xylidine and 2,6-Xylidine are reported for reference only.
- The limit for composite test should be divided by the mixed number.

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▼ Phthalates in plasticized materials

Entry 51 & entry 52, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009 & No 2015/326 & (EU) 2018/2005

Test Method: Refer to EN 14372:2004(E); Test Equipment: GC-MS

Tested Item(s)	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	001+002	006+007+ 008	009		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	50	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	50	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	50	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	50	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	50	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

Tested Item(s)	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	010	011	012+013		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	50	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	50	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	50	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	50	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	50	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	014	015	017		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	50	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	50	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	50	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	50	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	50	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- The limit for composite test should be divided by the mixed number.

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4) Color Fastness to Rubbing(EN ISO 105-X12:2016)

Tested Item(s)	Test Result				Applicant's Requirement
	057	058	059	060	
Dry	4-5	4-5	4-5	4-5	--
Wet	4-5	4-5	4-5	4-5	--

Tested Item(s)	Test Result				Applicant's Requirement
	061	062	063	064	
Dry	4-5	4-5	4-5	4-5	--
Wet	4-5	4-5	4-5	4-5	--

Tested Item(s)	Test Result				Applicant's Requirement
	065	066	067	068	
Dry	4-5	4-5	4-5	4-5	--
Wet	4-5	4-5	4-5	4-5	--

Tested Item(s)	Test Result	Applicant's Requirement
	069	
Dry	4-5	--
Wet	4-5	--

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Tested Sample/Part Description

No.	CTI Sample ID	Description
1	001	White coating(shoes of Mercury) (sample weight: 16.4mg)
2	002	White coating(eyes of pluto)
3	003	White flocking(nose) (sample weight: 17.8mg)
4	004	Brown flocking(nose) (sample weight: 28.6mg)
5	005	Black flocking(mouth) (sample weight: 10.6mg)
6	006	Black plastic(eyes)
7	007	Black plastic(brow)
8	008	White plastic(pad of eyes)
9	009	White plastic(nose)
10	010	White plastic(pad of nose)
11	011	Black plastic(mouth of sun)
12	012	Brown plastic(nose of jupiter) (sample weight: 75.3 mg)
13	013	White plastic(pad of nose)
14	014	Silver hot stamping fabric(shoes of mercury)
15	015	Silver plastic thread(shoes of mercury)
16	017	Multi-color plastic(body of uranus)
17	018	Grey flannelette with dark grey printing(moon)
18	019	Grey flannelette(moon)
19	020	Grey embroidery thread(sole) (sample weight: 12.3mg)
20	021	White fabric with multi-color printing(label)
21	022	Yellow/red/orange long plush(body of sun)
22	023	Black embroidery thread(mouth)
23	024	Yellow flannelette(sun)
24	025	Orange embroidery thread(sole of sun) (sample weight: 23.2mg)
25	026	White flannelette with multi-color printing(earth)
26	027	Grey flannelette with dark grey printing(mercury)
27	028	Red flannelette(shose of mercury)
28	029	White flannelette(shose of mercury)
29	030	White fabric(shose of mercury)
30	031	White flannelette with multi-color printing(saturn)
31	032	Light brown embroidery thread(sole of saturn) (sample weight: 14.6mg)
32	033	White flannelette with multi-color printing(big earth)
33	034	Blue embroidery thread(sole of precious plant)
34	035	White flannelette with multi-color printing(venus)
35	036	Pink embroidery thread(mouth of venus)
36	037	Dark brown flannelette(feet of venus)

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37	038	Earthy yellow embroidery thread(sole of venus) (sample weight: 13.8mg)
38	039	Aqua flannelette(body of Uranus)
39	040	Light blue embroidery thread(sole of Uranus) (sample weight: 10.4mg)
40	041	Beige flannelette with multi-color printing(pluto)
41	042	Beige flannelette(sole of pluto)
42	043	Light beige flannelette with dark brown printing(charon)
43	044	Light beige flannelette(charon)
44	045	Blue flannelette with dark blue printing(Neptune)
45	046	Blue flannelette(body of Neptune)
46	047	Blue embroidery thread(sole of Neptune) (sample weight: 11.3mg)
47	048	White flannelette with brown-red printing(mars)
48	049	Brown-red embroidery thread(sole of mars) (sample weight: 10.1mg)
49	050	White plush(top of mars)
50	051	Grey plush(comet)
51	052	Light grey embroidery thread(feet of comet) (sample weight: 12.6mg)
52	053	White long plush with silver plastic silk(comet)
53	054	Red embroidery thread(mouth) (sample weight: 12.1mg)
54	055	White flannelette with multi-color printing(Jupiter)
55	056	Dark grey flannelette(feet)
56	057	Brick-red knitted print fabric
57	058	Blue knitted print fabric
58	059	Grey coffee knitted print fabric
59	060	Coffee knitted print fabric
60	061	Beige knitted print fabric
61	062	Mint knitted fabric
62	063	Blue/white knitted print fabric
63	064	Grey knitted print fabric
64	065	Grey knitted fleece
65	066	Dark beige knitted print fabric
66	067	Blue/green knitted print fabric
67	068	Yellow red knitted fleece
68	069	Grey/white knitted print fabric

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Photo(s) of the sample(s)



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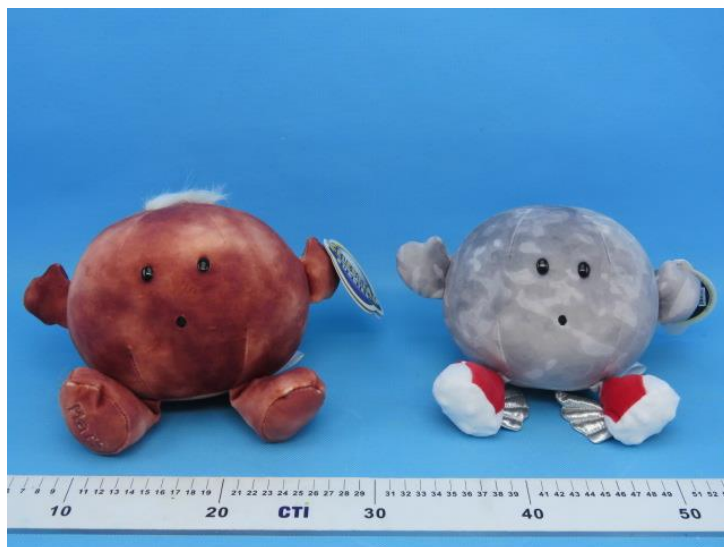
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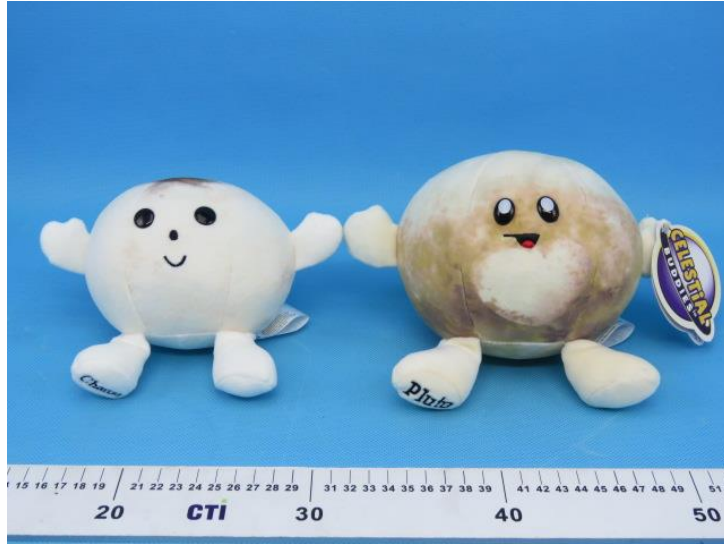
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Statement:

- 1.This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. Company Name and Address shown on Report , the sample(s) and sample Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***

