

**Test Report** No.: T52310270424TY Date: APR 24, 2023 Page 1 of 38

# **Tiny Love Test Report**

Applicant:	TINY LOVE LTD							
Address:	KORENDIJK 5, NL-5704 RD, HELMOND							
Contact Person:	SMADAR CAHLON, YARDEN	SMADAR CAHLON, YARDEN LEBEL, BRIAN CHENG						
Sample Description:	WONDER BUDDIES THOMA	S						
Style/Item No.:	130610E001	PO No.:	/					
Country of	/	Country of Origin:	CHINA					
Destination:								
Vendor:	/							
Manufacturer:	WINFIELD							
Date Code:	/							
Client Reference	/							
Information:								
Intended Age Grade	12M+							
on Label:								
	*********	******						
Age Group Applied in	OVER 12 MONTHS							
Testing:								
Date In:	APR 10, 2023							
Date Out:	APR 24, 2023							
Working Days:	7_							



**Further Information** 

Date:

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Sample Resubmission

Date:

1943。の email: CM. Doccheetesess.com Arom 1019ft Part A Rom 110; Part 2 Rom 101 (Part 3 Rom 1



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Test	Conclusion						
1.	For compliance with the European standard on Safety of toys:-						
	EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS					
	EN 71-2: 2020 – Safety of toys – Part 2: Flammability	PASS					
	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	SEE RESULT					
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1:2021 – Migration of certain elements	PASS					
2.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Cadmium content	PASS					
3.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalates content	PASS					
4.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments including (EU) 2020/2096 – AZO Colourants	PASS					
5.	5. European commission directive (EU) 2019/1929 – Formaldehyde						
	Client's Requirement –Formaldehyde	PASS					
6.	Client's Requirement – Extractable Heavy Metal	PASS					
7.	France Act 2012-1442 of 24 Dec 2012 - Bisphenol A (BPA) content	NOT APPLICABLE					
8.	Client's Requirement – Polycyclic Aromatic Hydrocarbons (PAHs) Content	PASS					



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Test I	Test Requested			
9.	Client's Requirement – Lead Content	PASS		
10.	Client's Requirement – Cadmium Content	PASS		
11.	Client's Requirement – Phthalates Content	PASS		
12.	Client's Requirement – Alkylphenol Ethoxylates (APEOs) – Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs) content	PASS		
13.	Client's Requirement – Alkylphenol (AP)– Nonylphenol (NP) and Octylphenol (OP) content	PASS		
14.	Client's Requirement – O-phenylphenol (OPP) content	PASS		
15.	EN71-12:2016-N-nitrosamines and N-nitrosatable substances	PASS		
16.	Colour Fastness to Rubbing (EN ISO 105-X12:2016)	SEE RESULT		

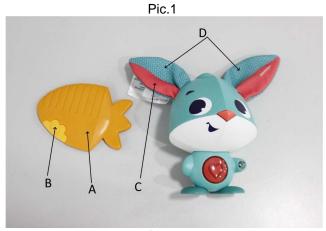
\*\*\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*\*\*\*

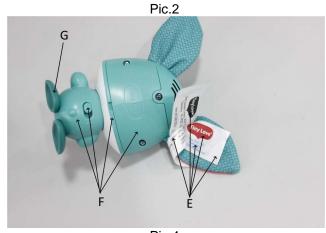


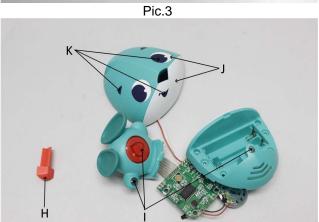


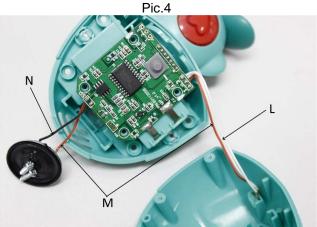
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# **Picture Page**









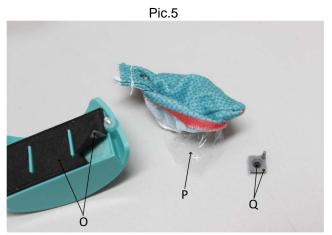


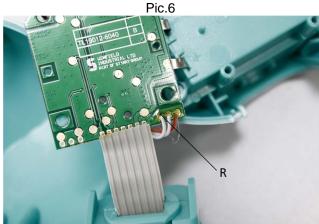
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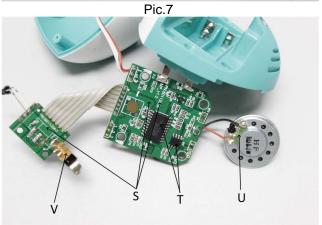
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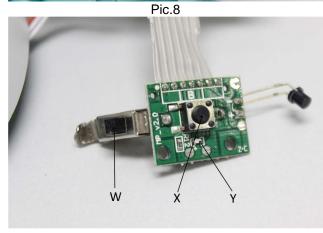


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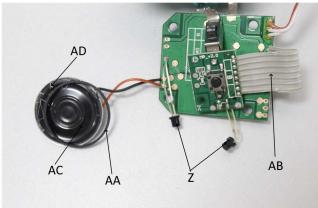
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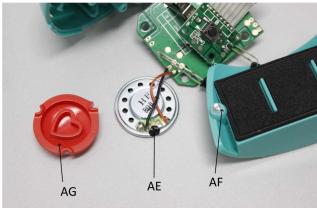
Date: APR 24, 2023

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Pic.9

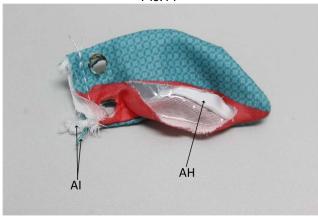


Pic.10



Pic.11







Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center



Sun Enxu, Aaron Dept. Manager





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#### Results:

### **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:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General Requirements	
4.1	Materials cleanliness	PASS
4.7	Edges	PASS
4.8	Points and Metallic Wires	PASS
4.20	Acoustics	PASS (See
		Table)

Table : Tiny Love Hand Held Toys

Max Result	Limit
L <sub>pAeq</sub> : 71.4dB	90dB
L <sub>pCpeak</sub> : 92.1dB	110dB

# Table-Top or Floor Toy

Max Result	Limit
L <sub>pAeq</sub> : 72.8dB	85dB
LpCpeak: 88.9dB	110dB

4.23	Magnets	PASS
5	Toys intended for Children under 36 months	
5.1	General Requirements	
5.1a	Small part requirement on toys & removable Components (Test method 8.2)	PASS
5.1b	Torque test (Test method 8.3)	PASS
5.1b	Tension test (Test method 8.4)	PASS
5.1b	Drop test (Test method 8.5)	PASS
5.1b	Impact test (Test method 8.7)	PASS
5.1b	Sharp edge (Test method 8.11)	PASS
5.1b	Sharp point (Test method 8.12)	PASS



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Clause **Description** Result Warnings, markings and instructions for use 7.1 **PASS** Note: Please note that for assessing the visibility and legibility of warnings, CEN has introduced good practice in the informative Annex A.33 by addressing the following aspects: a) Emphasising the warning b) Contrast, background and colours c) Reflecting surfaces and obscuring material d) Font type e) Font size f) Logical direction of text For more details, see EN 71-1.

Warning, precautions and instructions for use should be written in the national language(s) where the toy would be sold at least.

#### EN 71-2: 2020 - SAFETY OF TOYS - PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2: 2020 - SAFETY OF TOYS - PART 2: FLAMMABILITY

Type of gas: Butane gas used in the test burner

Clauses relevant to the item:

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



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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

### Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Present	Toy & Packaging
CE mark	Present	Toy & Packaging
Importer's Name & Address	Present	Toy & Packaging
Manufacturer's Name & Address	Present	Toy & Packaging
Product ID	Present	Toy & Packaging

#### Note:

- 1. 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. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable."
- 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.



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# <u>Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019+A1:2021 – Migration of certain elements</u>

Category III: Scraped-off toy material

Method: With reference to EN 71-3:2019+A1:2021. Analysis of general elements was performed by ICP-OES / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis or LC-ICP-MS / 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	28130
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	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
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	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit		
Specimen No.			4	5	6		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
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	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
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	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)			Resu	ılt(s)	MDL	Permissible Limit
Specimen No.			7	8		
Mass of trace amount		(mg)	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	50	46000



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Test Item(s)	Test Item(s)			ult(s)	MDL	Permissible Limit
Specimen No.			9	10		
Mass of trace amount		(mg)	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	225	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	1	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	1	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	8.6	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	246	50	46000



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#### Specimen Description:

- 1. Orange-yellow plastic (Carrot) (A)
- 2. Dull yellow plastic (Carrot) (B)
- 3. White tricot w/ light red printing (Rabbit) (C)
- 4. White tricot w/ green, light green printing (Rabbit) (D)
- 5. White satinet w/ red, blue, black printing (Sewn-in label) (E)
- 6. Green plastic (Rabbit, switch) (F)
- 7. Dark green soft plastic (Foot) (G)
- 8. Light red plastic (Nose) (H)
- 9. Transparent plastic (Hand, head, button) (I)
- 10. White coating (Pattern) (J)

Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- -1% = 10000 mg/kg = 10000 ppm
- + Soluble Chromium is not restricted by EN 71-3:2019+A1:2021, results shown only for reference

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- \* = Exceeds Permissible Limit

Remark: As received, below test portion(s) is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN 71-3:2019+A1:2021.

Dark blue coating (Pattern) (K)



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

Method: With reference to CPSC-CH-E1003-09.1 / CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3

### For Plastic

Test Item(s)			Cadmium (Cd)
Permissible Limit (mg/kg)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. Orange-yellow plastic (Carrot) (A) + Dull yellow plastic (Carrot) (B) + Green plastic (Rabbit, switch) (F)	7	1	ND
2. Dark green soft plastic (Foot) (G) + Light red plastic (Nose) (H) + Transparent plastic (Hand, head, button) (I)	7	2	ND
3. Translucent w/ white plastic (Flat cable) (L) w/ Translucent w/ orange plastic (Flat cable) (M) w/ Translucent w/ black plastic (Flat cable) (N)	7	3	ND
4. Black foam w/ translucent white double-side adhesive (Inner) (O) w/ Transparent plastic film (Inner) (P) w/ Grey rubber w/ black layer backing (Button) (Q) w/ Transparent light yellow dry glue (Inner) (R)	7	4	ND
5. White, green printed cream PCB (Inner) (S) w/ Black material (IC) (T) w/ Green printed cream PCB (Speaker) (U) w/ Light brown PCB (Switch) (V)	7	5	ND
6. Black plastic (Switch) (W) w/ Black plastic (Button) (X) w/ Transparent w/ white plastic (LED) (Y) w/ Black plastic (Electronic component) (Z) w/ Black plastic (Speaker) (AA)	7	6	ND
7. Light grey plastic (Flat cable) (AB) w/ Black plastic film (Speaker) (AC) w/ Cream dry glue (Speaker) (AD) w/ Black dry glue (Speaker) (AE) w/ Transparent plastic sheet (Washer) (AF)	7	7	ND



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#### For Paint on Painted Article

Test Item(s)	Cadmium (Cd)		
Permissible Limit (mg/kg)	1000		
Specimen Description	Result(s) (mg/kg)		
White coating (Pattern) (J) w/ Dark blue coating (Pattern) (K) w/ Light red coating (Inner) (AG)	6	1	ND

Note:

- Permissible and Reference Limit specified by Commission Regulation (EU) No 494/2011 & Commission Regulation (EU) No 2016/217 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 below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- A Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- \* Exceeds Permissible or Reference Limit



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# <u>European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalate content</u>

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Materials can be placed in the mouth for toys & childcare articles

Test Item(s)	CAS No.	R	esult (s) (%	<b>6</b> )		
Alias No.		11	11	11	MDL	Permissible Limit (%)
Tracing No.		1	2	3	(%)	
Specimen No.		1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1

# **Specimen Description:**

- 1. Orange-yellow plastic (Carrot) (A) + Dull yellow plastic (Carrot) (B) + Green plastic (Rabbit, switch) (F)
- 2. Dark green soft plastic (Foot) (G) w/ White coating (Pattern) (J) w/ Dark blue coating (Pattern) (K)
- 3. Light red plastic (Nose) (H) + Transparent plastic (Hand, head, button) (I)



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Materials can not be placed in the mouth for toys & childcare articles or plasticized material in the other article.

Test Item(s)	CAS No.	Result	(s) (%)		
Alias No.		11	11	MDL	Permissible
Tracing No.		4	5	(%)	Limit (%)
Specimen No.		1	2		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND		0.1

Test Item(s)	CAS No.	Result	(s) (%)		
Alias No.		11	11	MDL	Permissible
Tracing No.		6	7	(%)	Limit (%)
Specimen No.		3	4		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	0.006	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	0.006		0.1

# **Specimen Description:**

- 1. Translucent w/ white plastic (Flat cable) (L) w/ Translucent w/ orange plastic (Flat cable) (M) w/ Translucent w/ black plastic (Flat cable) (N) w/ Light red coating (Inner) (AG)
- 2. Black foam w/ translucent white double-side adhesive (Inner) (O) w/ Transparent plastic film (Inner) (P) w/ Grey rubber w/ black layer backing (Button) (Q) w/ Transparent light yellow dry glue (Inner) (R)
- 3. Black plastic (Switch) (W) w/ Black plastic (Button) (X) w/ Transparent w/ white plastic (LED) (Y) w/ Black plastic (Electronic component) (Z) w/ Black plastic (Speaker) (AA)
- 4. Light grey plastic (Flat cable) (AB) w/ Black plastic film (Speaker) (AC) w/ Cream dry glue (Speaker) (AD) w/ Black dry glue (Speaker) (AE) w/ Transparent plastic sheet (Washer) (AF)



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Note: - ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit

- % = percentage by weight

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- A Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- \* Exceeds Permissible Limit



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# <u>European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment including (EU) 2020/2096 – AZO Colourants</u>

Method: With reference to EN ISO 14362-1:2017 / EN ISO 14362-3:2017 /  $\S$  64 LFGB, BVL B 82.02-2:2013 /  $\S$  64 LFGB, BVL B 82.02-15:2013

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Diode Array Detector (HPLC-DAD)

			Result	(mg/kg)		Permissible
No E	orbidden Amines Substances	CAS-No.		1	MDL	Limit
NO. F	orbidden Ammes Substances	CAS-NO.	Direct reduction	Colorant extraction	(mg/kg)	(mg/kg)
1.	4-Aminodiphenyl	92-67-1	ND	ND	5	30
2.	Benzidine	92-87-5	ND	ND	5	30
3.	4-Chloro-o-toluidine	95-69-2	ND	ND	5	30
4.	2-Naphthylamine	91-59-8	ND	ND	5	30
5.	o-Aminoazotoluene	97-56-3	ND	ND	5	30
6.	5-nitro-o-toluidine	99-55-8	ND	ND	5	30
7.	4-Chloroaniline	106-47-8	ND	ND	5	30
8.	2,4-Diaminoanisole	615-05-4	ND	ND	5	30
9.	4,4'-Diaminodiphenylmethane, MDA	101-77-9	ND	ND	5	30
10.	3,3'-Dichlorobenzidine	91-94-1	ND	ND	5	30
11.	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	5	30
12.	3,3'-Dimethylbenzidine	119-93-7	ND	ND	5	30
13.	4,4'-methylenedi-o-toluidine	838-88-0	ND	ND	5	30
14.	<i>p</i> -Cresidine	120-71-8	ND	ND	5	30
15.	4,4'-Methylene-bis- (2-chloro-aniline)	101-14-4	ND	ND	5	30
16.	4,4'-Oxydianiline	101-80-4	ND	ND	5	30
17.	4,4'-Thiodianiline	139-65-1	ND	ND	5	30
18.	o-Toluidine	95-53-4	ND	ND	5	30
19.	2,4-Diaminotoluene, TDA	95-80-7	ND	ND	5	30
20.	2,4,5-Trimethylaniline	137-17-7	ND	ND	5	30
21.	4-Aminoazobenzene	60-09-3	ND	ND	5	30
22.	2-methoxyaniline	90-04-0	ND	ND	5	30

#### Specimen Description:

1. White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C) w/ White satinet w/ red, blue, black printing (Sewn-in label) (E)



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Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit
- ND = Not Detected (lower than MDL)
- Direct reduction refers to the extraction and reduction according to EN ISO 14362-1:2017 clause
   10.2 and relevant clauses.

Colorant extraction refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 clause 10.1 and relevant clauses.

- EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "ND" (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.
- 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.
- In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant.
   Similarly, for pigment prints, MDA will be released from a chemical fixing agent.

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- -- = Test method is not applicable due to identified specimen nature with respect to method(s).
- @ = The amine was detected according to EN ISO 14362-1:2017 with the reducing agent. A similar result was obtained from the procedure carried out without the reducing agent. According to EN ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from a source other than azo colorants.
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^ = The amine was detected according to EN ISO 14362-1:2017 with the reducing agent. Confirmation procedure was carried out without reducing agent, according to EN ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from azo colorants.
- <sup>\( \Delta = \Pass/Fail \) cannot be given due to the presence of substance(s) is between 5–30mg/kg. Detected substance(s) may come from one or more component(s) in composite testing. Individual testing of mixed components is highly recommended.
  </sup>
- \* Exceeds Permissible Limit



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# European commission directive (EU) 2019/1929 - Formaldehyde

# For Polymeric

Method: With reference to EN71-10: 2005 and EN71-11: 2005 Analysis was performed by Ultraviolet Visible Spectrometer (UV-Vis)

Sp	ecimen Description	Alias No.	Tracing No.	MDL (mg/L)	Result(s) (mg/L)	Limit (mg/L)
1.	Orange-yellow plastic (Carrot) (A) + Dull yellow plastic (Carrot) (B) + Green plastic (Rabbit, switch) (F) w/ White coating (Pattern) (J) w/ Dark blue coating (Pattern) (K)	4	1	0.8	ND	1.5
2.	Dark green soft plastic (Foot) (G) + Light red plastic (Nose) (H) + Transparent plastic (Hand, head, button) (I)	4	2	0.8	ND	1.5
3.	Translucent w/ white plastic (Flat cable) (L) + Translucent w/ orange plastic (Flat cable) (M) + Translucent w/ black plastic (Flat cable) (N)	4	3	0.8	ND	1.5
4.	Black foam w/ translucent white double-side adhesive (Inner) (O) + Transparent plastic film (Inner) (P) + Grey rubber w/ black layer backing (Button) (Q)	4	4	0.8	ND	1.5
5.	Transparent light yellow dry glue (Inner) (R) + Black plastic (Switch) (W) + Black plastic (Button) (X)	4	5	0.8	ND	1.5
6.	Transparent w/ white plastic (LED) (Y) + Black plastic (Electronic component) (Z) + Black plastic (Speaker) (AA)	4	6	0.8	ND	1.5
7.	Light grey plastic (Flat cable) (AB) + Transparent plastic sheet (Washer) (AF)	4	7	0.8	ND	1.5
8.	Black plastic film (Speaker) (AC) + Cream dry glue (Speaker) (AD) + Black dry glue (Speaker) (AE)	4	8	0.8	ND	1.5



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Note: - mg/L = milligram per liter

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- <sup>A</sup> Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- \* Exceeds Limit

### For Textiles

Method: With reference to ISO 14184-1: 2011, Textiles- Determination of formaldehyde - Part 1: Free and Hydrolized formaldehyde (water extraction method)

Analysis was performed by Ultraviolet Visible Spectrometer (UV-Vis)

Specimen Description		Alias No.	Tracing No.	MDL (mg/kg)	Result(s) (mg/kg)	Limit (mg/kg)	Client's Limit (mg/kg)
1.	White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C) w/ White satinet w/ red, blue, black printing (Sewn-in label) (E)	5	1	10	ND	30	16
2.	White fabric (Inner) (AH) w/ White woven band w/ green fabric thread (Inner) (AI)	5	2	10	ND	30	

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit

ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- A Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- \* Exceeds Limit



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### **Extractable Heavy Metal**

Method: With reference to EN 16711-2:2015

Analysis was performed by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS) and Ultraviolet Visible Spectrometer (UV-Vis).

Test Item(s)	Result(s) (mg/kg)		Clientie
Specimen No.	1	MDL	Client's Limit
Alias No.	13	(mg/kg)	(mg/kg)
Tracing No.	1		(ilig/kg)
Cadmium (Cd)	ND	0.1	1
Lead (Pb)	ND	0.2	1
Chromium VI (CrVI)	ND	0.3	3

### **Specimen Description:**

1. White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C) w/ White satinet w/ red, blue, black printing (Sewn-in label) (E)

Note

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

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- \* Exceeds Permissible Limit



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# Polycyclic Aromatic Hydrocarbon (PAHs) Content

Method: With reference to AfPS GS 2019:01 PAK method. Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Category 1: Materials intended to be placed in the mouth or materials coming into long-term contact with skin (More than 30s) during the intended use – In toys according to Directive 2019/48/EC or for the use by children up to 3 years of age

Test	Item(s)	CAS No.	Res	sult(s) (mg	/kg)	MDL	Client's Limit
Spec	imen No.		1	2	3	(mg/kg)	
Alias	No.		3	3	3		(mg/kg)
Traci	ng No.		1	2	3		
1.	Naphthalene	91-20-3	ND	ND	ND	0.1	1
2.	Acenaphthylene	208-96-8	ND	ND	ND	0.1	
3.	Acenaphthene	83-32-9	ND	ND	ND	0.1	
4.	Fluorene	86-73-7	ND	ND	ND	0.1	
5.	Phenanthrene	85-01-8	ND	ND	ND	0.1	
6.	Anthracene	120-12-7	ND	ND	ND	0.1	
7.	Fluoranthene	206-44-0	ND	ND	ND	0.1	
8.	Pyrene	129-00-0	ND	ND	ND	0.1	
9.	Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
10.	Chrysene	218-01-9	ND	ND	ND	0.1	0.2
11.	Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
12.	Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
13.	Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
14.	Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
15.	Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
16.	Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
17.	Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
18.	Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
	Sum of 7 PAHs <sup>^</sup>		ND	ND	ND		1
	Sum of 18 PAHs		ND	ND	ND		1



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Test	Item(s)	CAS No.	Result(s) (mg/kg)		/kg)	MDL	Client's
Spec	imen No.		4	5	6	(mg/kg)	Limit
Alias	No.		3	3	3	] ` 5 5/	(mg/kg)
Traci	ing No.		4	5	6		
1.	Naphthalene	91-20-3	ND	ND	ND	0.1	1
2.	Acenaphthylene	208-96-8	ND	ND	ND	0.1	
3.	Acenaphthene	83-32-9	ND	ND	ND	0.1	
4.	Fluorene	86-73-7	ND	ND	ND	0.1	
5.	Phenanthrene	85-01-8	ND	ND	ND	0.1	
6.	Anthracene	120-12-7	ND	ND	ND	0.1	
7.	Fluoranthene	206-44-0	ND	ND	ND	0.1	
8.	Pyrene	129-00-0	ND	ND	ND	0.1	
9.	Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
10.	Chrysene	218-01-9	ND	ND	ND	0.1	0.2
11.	Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
12.	Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
13.	Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
14.	Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
15.	Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
16.	Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
17.	Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
18.	Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
	Sum of 7 PAHs <sup>^</sup>		ND	ND	ND		1
	Sum of 18 PAHs		ND	ND	ND		1



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Test Item(s)		CAS No.	CAS No. Result(s) (mg/kg)		MDL	Client's	
Spec	imen No.		7	8	9	(mg/kg)	Limit
Alias	No.		3	3	3	(9/1.9/	(mg/kg)
Trac	ing No.		7	8	9		
1.	Naphthalene	91-20-3	ND	ND	ND	0.1	1
2.	Acenaphthylene	208-96-8	ND	ND	ND	0.1	
3.	Acenaphthene	83-32-9	ND	ND	ND	0.1	
4.	Fluorene	86-73-7	ND	ND	ND	0.1	
5.	Phenanthrene	85-01-8	ND	ND	ND	0.1	
6.	Anthracene	120-12-7	ND	ND	ND	0.1	
7.	Fluoranthene	206-44-0	ND	ND	ND	0.1	
8.	Pyrene	129-00-0	ND	ND	ND	0.1	
9.	Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
10.	Chrysene	218-01-9	ND	ND	ND	0.1	0.2
11.	Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
12.	Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
13.	Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
14.	Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
15.	Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
16.	Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
17.	Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
18.	Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
	Sum of 7 PAHs <sup>^</sup>		ND	ND	ND		1
	Sum of 18 PAHs		ND	ND	ND		1

#### Specimen Description:

- 1. Orange-yellow plastic (Carrot) (A)
- 2. Dull yellow plastic (Carrot) (B)
- 3. White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C)
- 4. White satinet w/ red, blue, black printing (Sewn-in label) (E)
- 5. Green plastic (Rabbit, switch) (F)
- 6. Dark green soft plastic (Foot) (G)
- 7. Light red plastic (Nose) (H)
- 8. Transparent plastic (Hand, head, button) (I)
- 9. White coating (Pattern) (J) w/ Dark blue coating (Pattern) (K)



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Note: - ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit
- mg/kg = milligram per kilogram
- ^7 PAHs including Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene & Pyrene

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- A Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- \* Exceeds Client's limit

### **Lead Content**

Method: With reference to CPSC-CH-E1003-09.1 / CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3

Test Item(s)	Unit	1	2	MDL	Client's Limit
Alias No.		8	8		
Tracing No.		1	2		
Lead (Pb)	mg/kg	ND	ND	10	40

#### **Specimen Description:**

- 1. Orange-yellow plastic (Carrot) (A) + Dull yellow plastic (Carrot) (B) + Green plastic (Rabbit, switch) (F)
- 2. Dark green soft plastic (Foot) (G) + Light red plastic (Nose) (H) + Transparent plastic (Hand, head, button) (I)

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit
- ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- \* Exceeds Client's Limit



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# **Cadmium Content**

Method: With reference to CPSC-CH-E1003-09.1 / CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3

Test Item(s)	Unit	1	2	MDL	Client's Limit
Alias No.		9	9		
Tracing No.		1	2		
Cadmium (Cd)	mg/kg	ND	ND	5	40

#### Specimen Description:

- 1. Orange-yellow plastic (Carrot) (A) + Dull yellow plastic (Carrot) (B) + Green plastic (Rabbit, switch) (F)
- 2. Dark green soft plastic (Foot) (G) + Light red plastic (Nose) (H) + Transparent plastic (Hand, head, button) (I)

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- \* Exceeds Client's Limit



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Room (M-MM, Panut 4 Room (M, Panut 2 Room (M, Panut 3 Room M) (M, Panut 3, Panum M) (M, Panut 3, Panut M) (M, Panut 3, Panut 4, Panut 4, Panum M) (M, Panut 4, Panum M) (M, Panut 3, Panut 4, Panum M) (M, Panut 4, Panut 4,



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# **Phthalates Content**

Method: With reference to CPSC-CH-C1001-09.4 Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Test Item(s)	CAS No.	Result(s) (%)				
Specimen No.		1	2	3	MDL	Client's
Alias No.		12	12	12	(%)	Limit (%)
Tracing No.		1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.003	0.1
N-pentyl-isopentylphtalate (nPiPP)	776297-69-9	ND	ND	ND	0.003	0.1
Diisopentyl phthalate (DiPP)	605-50-5	ND	ND	ND	0.003	0.1
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	ND	ND	0.003	0.1
Di-n-pentlyl phthalate(DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester (DPHP)	53306-54-0	ND	ND	ND	0.010	0.1
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	ND	ND	0.010	0.1
Benzenedicarboxylic acid, di-(C7-11)- branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND	0.010	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear ^	84777-06-0	ND	ND	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	ND	ND	0.003	0.1
1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	ND	ND	ND	0.025	0.1
Total (DBP+BBP+DEHP)	,	ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1



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Test Item(s)	CAS No.	Result	t(s) (%)		
Specimen No.		4	5	MDL	Client's
Alias No.		12	12	(%)	Limit (%)
Tracing No.		4	5		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
N-pentyl-isopentylphtalate (nPiPP)	776297-69-9	ND	ND	0.003	0.1
Diisopentyl phthalate (DiPP)	605-50-5	ND	ND	0.003	0.1
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	ND	0.003	0.1
Di-n-pentlyl phthalate(DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester (DPHP)	53306-54-0	ND	ND	0.010	0.1
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	ND	0.010	0.1
Benzenedicarboxylic acid, di-(C7-11)- branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	0.010	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear ^	84777-06-0	ND	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	ND	0.003	0.1
1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	ND	ND	0.025	0.1
Total (DBP+BBP+DEHP)		ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND		0.1



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Test Item(s)	CAS No.	Resul	t(s) (%)		
Specimen No.		6	7	MDL	Client's
Alias No.		12	12	(%)	Limit (%)
Tracing No.		6	7		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	0.006	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
N-pentyl-isopentylphtalate (nPiPP)	776297-69-9	ND	ND	0.003	0.1
Diisopentyl phthalate (DiPP)	605-50-5	ND	ND	0.003	0.1
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	ND	0.003	0.1
Di-n-pentlyl phthalate(DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester (DPHP)	53306-54-0	ND	ND	0.010	0.1
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	ND	0.010	0.1
Benzenedicarboxylic acid, di-(C7-11)- branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	0.010	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear ^	84777-06-0	ND	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	ND	0.003	0.1
1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	ND	ND	0.025	0.1
Total (DBP+BBP+DEHP)		ND	0.006		0.1
Total (DINP+DNOP+DIDP)		ND	ND		0.1



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#### Specimen Description:

- 1. Orange-yellow plastic (Carrot) (A) + Dull yellow plastic (Carrot) (B) + Green plastic (Rabbit, switch) (F)
- 2. Dark green soft plastic (Foot) (G) w/ White coating (Pattern) (J) w/ Dark blue coating (Pattern) (K)
- 3. Light red plastic (Nose) (H) + Transparent plastic (Hand, head, button) (I)
- 4. Translucent w/ white plastic (Flat cable) (L) w/ Translucent w/ orange plastic (Flat cable) (M) w/ Translucent w/ black plastic (Flat cable) (N) w/ Light red coating (Inner) (AG)
- 5. Black foam w/ translucent white double-side adhesive (Inner) (O) w/ Transparent plastic film (Inner) (P) w/ Grey rubber w/ black layer backing (Button) (Q) w/ Transparent light yellow dry glue (Inner) (R)
- 6. Black plastic (Switch) (W) w/ Black plastic (Button) (X) w/ Transparent w/ white plastic (LED) (Y) w/ Black plastic (Electronic component) (Z) w/ Black plastic (Speaker) (AA)
- 7. Light grey plastic (Flat cable) (AB) w/ Black plastic film (Speaker) (AC) w/ Cream dry glue (Speaker) (AD) w/ Black dry glue (Speaker) (AE) w/ Transparent plastic sheet (Washer) (AF)

Note: - MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)
- % = percentage by weight

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^ = a mixture of i) Di-n-pentyl phthalate (DPP); ii) N-pentyl-isopentylphtalate (nPiPP) and iii) Diisopentyl phthalate (DiPP)
- A Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- \* Exceeds Client's Limit



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# Alkylphenol Ethoxylates (APEOs) – Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs) content

Method: Solvent extraction

Analysis was performed by High Performance Liquid Chromatography with Diode Array Detector & Mass Spectrometer (HPLC-DAD-MS) / Triple Quadrupole Liquid Chromatograph Mass Spectrometer (LC-MS/MS)

Test Item(s)	Result(s		Client's		
Specimen No.	1	2	MDL	Client's Limit (mg/kg)	
Alias No.	15	15	(mg/kg)		
Tracing No.	1	2		(ilig/kg)	
Nonylphenol Ethoxylates (NPEOs)	ND	ND	30	100	
Octylphenol Ethoxylates (OPEOs)	ND	ND	30	100	

# Specimen Description:

- 1. White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C) w/ White satinet w/ red, blue, black printing (Sewn-in label) (E)
- 2. White fabric (Inner) (AH) w/ White woven band w/ green fabric thread (Inner) (AI)

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit

ND = Not Detected (lower than MDL)

1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- A Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- \* Exceeds Client's Limit



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### Alkylphenol (AP) - Nonylphenol (NP) and Octylphenol (OP) content

Method: Solvent extraction

Analysis was performed by High Performance Liquid Chromatography with Diode Array Detector & Mass Spectrometer (HPLC-DAD-MS) / Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	) (mg/kg)		Clientie	
Specimen No.	1	2	MDL	Client's Limit (mg/kg)
Alias No.	16	16	(mg/kg)	
Tracing No.	1	2		(ilig/kg)
Nonylphenol (NP)	ND	ND	5	100
Octylphenol (OP)	ND	ND	5	100

#### Specimen Description:

- 1. White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C) w/ White satinet w/ red, blue, black printing (Sewn-in label) (E)
- 2. White fabric (Inner) (AH) w/ White woven band w/ green fabric thread (Inner) (AI)

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit

ND = Not Detected (lower than MDL)

-1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- \* Exceeds Client's Limit



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# O-phenylphenol (OPP) content

Method: With reference to ISO 17070/ §64 LFGB, BVL, B 82.02.8-2001 KOH method Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / Gas Chromatography Electron Capture Detector (GC-ECD)

Test Item(s)	Result(s	) (mg/kg)	MDL	Client's Limit	
Specimen No.	1	2	(mg/kg)	(mg/kg)	
O-phenylphenol (OPP)	ND	ND	0.5	100	

### Specimen Description:

- 1. White tricot w/ green, light green printing (Rabbit) (D) w/ White tricot w/ light red printing (Rabbit) (C) w/ White satinet w/ red, blue, black printing (Sewn-in label) (E)
- 2. White fabric (Inner) (AH) w/ White woven band w/ green fabric thread (Inner) (AI)

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

\* Exceeds Client's Limit



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Attention: To check the authenticity of testing / insection reports.

1445, or email: Un. Doccneck@sgs.com かる Man Middle Talk Room Mit, Pallat & Room Mit Pallat & Room M



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#### EN71-12:2016-N-nitrosamines and N-nitrosatable substances

Test Method: With reference to EN71-12:2016, analysis was performed by LC-MS/MS.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
N-Nitrosamines	0.010	mg/kg	0.010	ND
Comment				PASS
N-Nitrosatable substances	0.10	mg/kg	0.10	ND
Comment				PASS

# **Test Part Description:**

Specimen No. SGS Sample ID Description

SN1 CAN23-055039.001 Dark green soft plastic (Foot)(G)

#### Remarks:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL)
- (4) "-" = Not Regulated
- (5) The tests were conducted by SGS-CSTC Guangzhou Lab.

#### Notes:

N-Nitrosamines tested: N-nitrosodiethanolamine (NDELA), N-nitrosodimethylamine (NDMA), N-nitrosodiethylamine (NDEA), N-nitrosodipropylamine (NDPA), N-nitrosodibutylamine (NDBA), N-nitrosopiperidine (NPIP), N-nitrosomorpholine (NMOR), N-nitrosodibenzylamine (NDBzA), N-nitroso-N-methyl-N-phenylamine (NMPhA), N-nitroso-N-ethyl-N-phenylamine (NEPhA), N-nitrosodiisononylamine (NDiNA), N-nitrosodiisopropylamine (NDiPA) and N-Nitrosodiisobutylamine (NDiBA).

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w = 0) stated in ILAC-G8:09/2019.



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### **Colour Fastness to Rubbing**

(EN ISO 105-X12:2016; Size of rubbing finger: 19x25.4mm)

 Dry staining
 1/2
 2

 Wet staining
 4-5
 4-5

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

#### Specimen Description:

1. White tricot w/ green, light green printing

2. White tricot w/ green, light green and light red printing

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

#### Note:

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the report:

N/A = Not Applicable \*\* = Visual Examination DNI = Did Not Ignite

SE = Self-Extinguishing IBE = Ignite But Self-Extinguished

SE within 50mm = Self-extinguished within 50 mm of flame application

#### Remark:

- 1. 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 shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
- 2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability(k=2), w = U<sub>95</sub>. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (Tu):

Pass - when the measurement result is below  $T_U$ - $U_{95}$ 

Fail - when the measurement result is above Tu+U95

Inconclusive - when the measurement result is falling in guard band [Tu-U95, Tu+U95]

For Lower Tolerance Limit (T<sub>L</sub>):

Pass - when the measurement result is above T<sub>L</sub>+U<sub>95</sub>

Fail - when the measurement result is below T<sub>L</sub>-U<sub>95</sub>

Inconclusive - when the measurement result is falling in guard band [T<sub>L</sub>-U<sub>95</sub>, T<sub>L</sub>+U<sub>95</sub>]

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



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