

To: BELZ1 CO., LTD

Eurofins Food and Product Testing Japan K.K.  
Product Testing ASM Group**Certification of Conformance Against Safety Standards for Toy**

<b>Sample Description</b>	: G100 / G200
<b>Grade</b>	: G100•G200
<b>Material Name</b>	: Poly Styrene
<b>Product Name</b>	: SOLID EYES, CRYSTAL EYES, CAT EYES, ANIMAL NOSE, COMICAL EYES
<b>Reffered Standards</b>	: EN71 Part 3:2019
<b>Analysis Period</b>	: From 13-Nov-2019 to 18-Nov-2019
<b>Laboratory Name</b>	: Eurofins Product Testing Service (Shanghai) Co.,Ltd
<b>Report Number</b>	: EFSH19110994-CG-01
<b>Our Reference</b>	: 295-2019-11000133
<b>Results</b>	: All results conform to the above standards.
<b>Conclusion</b>	: <u>The products mentioned above are suitable to use for Toys under EN71 Part 3:2019.</u>
<b>Remarks</b>	: This certificate ensures conformance exclusively for tested samples and conditions.

# TEST REPORT

**APPLICANT****CONFIDENTIAL SUPPLIER DETAILS RETAINED BY:** GROVES OF THAME LTD.**ADDRESS**

Eastern Bypass, Thame, Oxon, OX9 3FU. Tel: 01844 258 100

**SAMPLE DESCRIPTION**

: G100 / G200

**SAMPLE MATERIAL**

: Poly Styrene

**COUNTRY OF ORIGIN**

: Japan

**SAMPLE RECEIVED DATE**

: 13-Nov-2019

**TURN AROUND TIME**

: 13-Nov-2019 to 18-Nov-2019

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant.

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Migration of Certain Elements	EN71 Part 3:2019	Pass

**Eurofins (Shanghai) contact information****Customer service:** [JimmyLi@eurofins.com](mailto:JimmyLi@eurofins.com) / 021-36202928

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

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., LtdLemon Zhang  
Chemical Lab Supervisor

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.sh@eurofins.com](mailto:info.sh@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.

**SAMPLE PHOTO**



**EFSH19110994-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>
1	Transparent poly styrene

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2019

Test Method: General elements, with reference to EN 71 Part 3:2019, analysis was performed by ICP-MS; Extractable Chromium (VI), with reference to EN 71 Part 3:2019, analysis was performed by IC-ICP-MS; Extractable organic tin, with reference to EN 71 Part 3:2019, analysis was performed by GC-MS.

Test Item(s):	Unit	Result
Category Type		1
		III
Extractable Lead (Pb)	mg/kg	ND
Extractable Antimony (Sb)	mg/kg	ND
Extractable Arsenic (As)	mg/kg	ND
Extractable Barium (Ba)	mg/kg	ND
Extractable Cadmium (Cd)	mg/kg	ND
Extractable Mercury (Hg)	mg/kg	ND
Extractable Selenium (Se)	mg/kg	ND
Extractable Boron (B)	mg/kg	ND
Extractable Cobalt (Co)	mg/kg	ND
Extractable Manganese (Mn)	mg/kg	ND
Extractable Strontium (Sr)	mg/kg	ND
Extractable Zinc (Zn)	mg/kg	ND
Extractable Copper (Cu)	mg/kg	ND
Extractable Aluminum (Al)	mg/kg	ND
Extractable Nickel (Ni)	mg/kg	ND
Extractable Tin (Sn)	mg/kg	ND
Extractable Organic Tin <sup>#1</sup>	mg/kg	ND
Extractable Chromium <sup>#2</sup>	mg/kg	ND
Extractable Chromium (III) (Cr III) <sup>#3</sup>	mg/kg	-
Extractable Chromium (VI) (Cr VI)	mg/kg	-

**Note:**

- #1 - Result of Organic Tin is calculated by assuming the extractable Tin content is wholly contributed from tributyltin (TBT) cation unless further specified.
- #2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).
- #3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

mg/kg = milligram per kilogram  
 MDL = Method Detection Limit  
 ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
Category Type		I		II		III	
Extractable Lead (Pb)	mg/kg	2.0	1.0	0.5	0.2	23	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	5625	50	1406	50	70000	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin#1	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)#3	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)#2	mg/kg	0.02	0.02	0.005	0.005	0.2 / 0.053*	0.02

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scrapped-off toy material

"-" = Not Regulated

\*: The migration limit for Chromium (VI) for Category III has been amended by Commission Directive (EU) 2018/725. The new limit value (0.053 mg/kg) applies from 2019-11-18. Before this date the limit value 0.2 mg/kg applies.

\*\*\*END OF THE REPORT\*\*\*

**To: BELZ1 CO., LTD**Eurofins Food and Product Testing Japan K.K.  
Product Testing ASM Group**Certification of Conformance Against Safety Standards for Toy**

<b>Sample Description</b>	: Nipolon2300
<b>Grade</b>	: Nipolon2300
<b>Material Name</b>	: High Density Poly Ethylene
<b>Product Name</b>	: PLASTIC WASHER, FEMALE
<b>Reffered Standards</b>	: EN71 Part 3:2019
<b>Analysis Period</b>	: From 13-Nov-2019 to 18-Nov-2019
<b>Laboratory Name</b>	: Eurofins Product Testing Service (Shanghai) Co.,Ltd
<b>Report Number</b>	: EFSH19110995-CG-01
<b>Our Reference</b>	: 295-2019-11000134
<b>Results</b>	: All results conform to the above standards.
<b>Conclusion</b>	: <u>The products mentioned above are suitable to use for Toys under EN71 Part 3:2019.</u>
<b>Remarks</b>	: This certificate ensures conformance exclusively for tested samples and conditions.

# TEST REPORT

**APPLICANT**

CONFIDENTIAL SUPPLIER DETAILS RETAINED BY: GROVES OF THAME LTD.

**ADDRESS**

Eastern Bypass, Thame, Oxon, OX9 3FU. Tel: 01844 258 100

**SAMPLE DESCRIPTION**

: Nipolon2300

**SAMPLE MATERIAL**

: High Density Poly Ethylene

**COUNTRY OF ORIGIN**

: Japan

**SAMPLE RECEIVED DATE**

: 13-Nov-2019

**TURN AROUND TIME**

: 13-Nov-2019 to 18-Nov-2019

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant.

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Migration of Certain Elements	EN71 Part 3:2019	Pass

**Eurofins (Shanghai) contact information**Customer service: [JimmyLi@eurofins.com](mailto:JimmyLi@eurofins.com) / 021-36202928

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

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., LtdLemon Zhang  
Chemical Lab Supervisor

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.sh@eurofins.com](mailto:info.sh@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.



**SAMPLE PHOTO**



**EFSH19110995-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>
1	White high density poly ethylene

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2019

Test Method: General elements, with reference to EN 71 Part 3:2019, analysis was performed by ICP-MS; Extractable Chromium (VI), with reference to EN 71 Part 3:2019, analysis was performed by IC-ICP-MS; Extractable organic tin, with reference to EN 71 Part 3:2019, analysis was performed by GC-MS.

Test Item(s):	Unit	Result
Category Type		1
		III
Extractable Lead (Pb)	mg/kg	ND
Extractable Antimony (Sb)	mg/kg	ND
Extractable Arsenic (As)	mg/kg	ND
Extractable Barium (Ba)	mg/kg	ND
Extractable Cadmium (Cd)	mg/kg	ND
Extractable Mercury (Hg)	mg/kg	ND
Extractable Selenium (Se)	mg/kg	ND
Extractable Boron (B)	mg/kg	ND
Extractable Cobalt (Co)	mg/kg	ND
Extractable Manganese (Mn)	mg/kg	ND
Extractable Strontium (Sr)	mg/kg	ND
Extractable Zinc (Zn)	mg/kg	ND
Extractable Copper (Cu)	mg/kg	ND
Extractable Aluminum (Al)	mg/kg	ND
Extractable Nickel (Ni)	mg/kg	ND
Extractable Tin (Sn)	mg/kg	ND
Extractable Organic Tin <sup>#1</sup>	mg/kg	ND
Extractable Chromium <sup>#2</sup>	mg/kg	ND
Extractable Chromium (III) (Cr III) <sup>#3</sup>	mg/kg	-
Extractable Chromium (VI) (Cr VI)	mg/kg	-

**Note:**

- #1 - Result of Organic Tin is calculated by assuming the extractable Tin content is wholly contributed from tributyltin (TBT) cation unless further specified.
- #2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).
- #3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

mg/kg = milligram per kilogram  
 MDL = Method Detection Limit  
 ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
Category Type				II		III	
Extractable Lead (Pb)	mg/kg	2.0	1.0	0.5	0.2	23	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	5625	50	1406	50	70000	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin#1	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)#3	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)#2	mg/kg	0.02	0.02	0.005	0.005	0.2 / 0.053*	0.02

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scrapped-off toy material

"-" = Not Regulated

\*: The migration limit for Chromium (VI) for Category III has been amended by Commission Directive (EU) 2018/725. The new limit value (0.053 mg/kg) applies from 2019-11-18. Before this date the limit value 0.2 mg/kg applies.

\*\*\*END OF THE REPORT\*\*\*

**To: BELZ1 CO., LTD**Eurofins Food and Product Testing Japan K.K.  
Product Testing ASM Group**Certification of Conformance Against Safety Standards for Toy**

<b>Sample Description</b>	: J762HP
<b>Grade</b>	: J762HP
<b>Material Name</b>	: Poly Propylene
<b>Product Name</b>	: MALE
<b>Referred Standards</b>	: EN71 Part 3:2019
<b>Analysis Period</b>	: From 13-Nov-2019 to 18-Nov-2019
<b>Laboratory Name</b>	: Eurofins Product Testing Service (Shanghai) Co.,Ltd
<b>Report Number</b>	: EFSH19110996-CG-01
<b>Our Reference</b>	: 295-2019-11000135
<b>Results</b>	: All results conform to the above standards.
<b>Conclusion</b>	: <u>The products mentioned above are suitable to use for Toys under EN71 Part 3:2019.</u>
<b>Remarks</b>	: This certificate ensures conformance exclusively for tested samples and conditions.

# TEST REPORT

**APPLICANT**

CONFIDENTIAL SUPPLIER DETAILS RETAINED BY: GROVES OF THAME LTD.

**ADDRESS**

Eastern Bypass, Thame, Oxon, OX9 3FU. Tel: 01844 258 100

**SAMPLE DESCRIPTION**

: J762HP

**SAMPLE MATERIAL**

: Poly Propylene

**COUNTRY OF ORIGIN**

: Japan

**SAMPLE RECEIVED DATE**

: 13-Nov-2019

**TURN AROUND TIME**

: 13-Nov-2019 to 18-Nov-2019

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant.

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Migration of Certain Elements	EN71 Part 3:2019	Pass

**Eurofins (Shanghai) contact information**Customer service: [JimmyLi@eurofins.com](mailto:JimmyLi@eurofins.com) / 021-36202928

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

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., LtdLemon Zhang  
Chemical Lab Supervisor

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**SAMPLE PHOTO**



**EFSH19110996-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>
1	White poly propylene

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2019

Test Method: General elements, with reference to EN 71 Part 3:2019, analysis was performed by ICP-MS; Extractable Chromium (VI), with reference to EN 71 Part 3:2019, analysis was performed by IC-ICP-MS; Extractable organic tin, with reference to EN 71 Part 3:2019, analysis was performed by GC-MS.

Test Item(s):	Unit	Result
		1
Category Type		III
Extractable Lead (Pb)	mg/kg	ND
Extractable Antimony (Sb)	mg/kg	ND
Extractable Arsenic (As)	mg/kg	ND
Extractable Barium (Ba)	mg/kg	ND
Extractable Cadmium (Cd)	mg/kg	ND
Extractable Mercury (Hg)	mg/kg	ND
Extractable Selenium (Se)	mg/kg	ND
Extractable Boron (B)	mg/kg	ND
Extractable Cobalt (Co)	mg/kg	ND
Extractable Manganese (Mn)	mg/kg	ND
Extractable Strontium (Sr)	mg/kg	ND
Extractable Zinc (Zn)	mg/kg	ND
Extractable Copper (Cu)	mg/kg	ND
Extractable Aluminum (Al)	mg/kg	ND
Extractable Nickel (Ni)	mg/kg	ND
Extractable Tin (Sn)	mg/kg	ND
Extractable Organic Tin <sup>#1</sup>	mg/kg	ND
Extractable Chromium <sup>#2</sup>	mg/kg	ND
Extractable Chromium (III) (Cr III) <sup>#3</sup>	mg/kg	-
Extractable Chromium (VI) (Cr VI)	mg/kg	-

**Note:**

- #1 - Result of Organic Tin is calculated by assuming the extractable Tin content is wholly contributed from tributyltin (TBT) cation unless further specified.
- #2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).
- #3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

mg/kg = milligram per kilogram  
 MDL = Method Detection Limit  
 ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
Category Type				II		III	
Extractable Lead (Pb)	mg/kg	2.0	1.0	0.5	0.2	23	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	5625	50	1406	50	70000	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin#1	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)#3	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)#2	mg/kg	0.02	0.02	0.005	0.005	0.2 / 0.053*	0.02

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scrapped-off toy material

"-" = Not Regulated

\*: The migration limit for Chromium (VI) for Category III has been amended by Commission Directive (EU) 2018/725. The new limit value (0.053 mg/kg) applies from 2019-11-18. Before this date the limit value 0.2 mg/kg applies.

\*\*\*END OF THE REPORT\*\*\*

**To: BELZ1 CO., LTD**Eurofins Food and Product Testing Japan K.K.  
Product Testing ASM Group**Certification of Conformance Against Safety Standards for Toy**

**Sample Description** : sus303

**Grade** : sus303

**Material Name** : Stainless Steel

**Product Name** : MEATAL WASHER

**Reffered Standards** : EN71 Part 3:2019

**Analysis Period** : From 13-Nov-2019 to 18-Nov-2019

**Laboratory Name** : Eurofins Product Testing Service (Shanghai) Co.,Ltd

**Report Number** : EFSH19110997-CG-01

**Our Reference** : 295-2019-11000136

**Results** : All results conform to the above standards.

**Conclusion** : The products mentioned above are suitable to use for Toys under EN71 Part 3:2019.

**Remarks** : This certificate ensures conformance exclusively for tested samples and conditions.

# TEST REPORT

**APPLICANT****CONFIDENTIAL SUPPLIER DETAILS RETAINED BY: GROVES OF THAME LTD.****ADDRESS**

Eastern Bypass, Thame, Oxon, OX9 3FU. Tel: 01844 258 100

**SAMPLE DESCRIPTION**

: sus303

**SAMPLE MATERIAL**

: Stainless Steel

**COUNTRY OF ORIGIN**

: Japan

**SAMPLE RECEIVED DATE**

: 13-Nov-2019

**TURN AROUND TIME**

: 13-Nov-2019 to 18-Nov-2019

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant.

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Migration of Certain Elements	EN71 Part 3:2019	Pass

**Eurofins (Shanghai) contact information****Customer service: [JimmyLi@eurofins.com](mailto:JimmyLi@eurofins.com) / 021-36202928**

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

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., LtdLemon Zhang  
Chemical Lab Supervisor

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**SAMPLE PHOTO**



**EFSH19110997-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>
1	Silver stainless steel

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2019

Test Method: General elements, with reference to EN 71 Part 3:2019, analysis was performed by ICP-MS;  
 Extractable Chromium (VI), with reference to EN 71 Part 3:2019, analysis was performed by IC-ICP-MS;  
 Extractable organic tin, with reference to EN 71 Part 3:2019, analysis was performed by GC-MS.

Test Item(s):	Unit	Result
		1
Category Type		III
Extractable Lead (Pb)	mg/kg	ND
Extractable Antimony (Sb)	mg/kg	ND
Extractable Arsenic (As)	mg/kg	ND
Extractable Barium (Ba)	mg/kg	ND
Extractable Cadmium (Cd)	mg/kg	ND
Extractable Mercury (Hg)	mg/kg	ND
Extractable Selenium (Se)	mg/kg	ND
Extractable Boron (B)	mg/kg	ND
Extractable Cobalt (Co)	mg/kg	ND
Extractable Manganese (Mn)	mg/kg	ND
Extractable Strontium (Sr)	mg/kg	ND
Extractable Zinc (Zn)	mg/kg	ND
Extractable Copper (Cu)	mg/kg	ND
Extractable Aluminum (Al)	mg/kg	ND
Extractable Nickel (Ni)	mg/kg	ND
Extractable Tin (Sn)	mg/kg	ND
Extractable Organic Tin <sup>#1</sup>	mg/kg	ND
Extractable Chromium <sup>#2</sup>	mg/kg	-
Extractable Chromium (III) (Cr III) <sup>#3</sup>	mg/kg	ND
Extractable Chromium (VI) (Cr VI)	mg/kg	ND

**Note:**

- #1 - Result of Organic Tin is calculated by assuming the extractable Tin content is wholly contributed from tributyltin (TBT) cation unless further specified.
- #2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).
- #3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

**Remarks:**

mg/kg = milligram per kilogram  
 MDL = Method Detection Limit  
 ND = Not Detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
Category Type				II		III	
Extractable Lead (Pb)	mg/kg	2.0	1.0	0.5	0.2	23	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	5625	50	1406	50	70000	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin#1	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)#3	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)#2	mg/kg	0.02	0.02	0.005	0.005	0.2 / 0.053*	0.02

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scrapped-off toy material

"-" = Not Regulated

\*: The migration limit for Chromium (VI) for Category III has been amended by Commission Directive (EU) 2018/725. The new limit value (0.053 mg/kg) applies from 2019-11-18. Before this date the limit value 0.2 mg/kg applies.

\*\*\*END OF THE REPORT\*\*\*