

**Test Report**

Job No./Report No TR1842833-RV1

Date:12 January 2021

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**SPROUT EUROPE APS**

VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK

TEL: +4529432351

**To the attention of Sidsel Lundtang Rasmussen**

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

Sample No.	Sample Description
A	Sprout pencils graphite, engraved quotes

Client's reference No. : TR 1842833-RV1  
Article No : 1A  
Manufacturer : PRINTY PIECZATKA POLSKA SP. Z.O.O.  
Country of Origin : POLEN  
Country of Destination : WORLDWIDE  
Sample Receiving Date : 11 December 2020  
Resubmit Date : 12 January 2021  
Test Performing Period : 11 December 2020 ~ 19 December 2020

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
<b>Chemical tests</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>
Migration of Certain Elements - Category III - Chromium VI Confirmation	M	M	-
Migration of Certain Elements - Category I - Chromium VI Confirmation	-	-	M
Migration of Certain Elements - Category III	M	M	-
Migration of Certain Elements - Category I	-	-	M

Test Parameters	Result
<b>Physical tests</b>	<b>A</b>
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component <u>has been carried out</u> as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

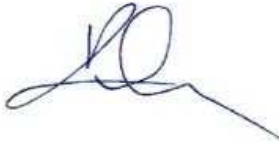
Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, MATERIAL FOR COMPONENT A2 WAS CHANGED IN COMPONENT LIST BY THE REQUEST OF THE APPLICANT.**

**THIS REPORT SUPERSEDES OUR REPORT NO: TR1842833 DATED 19.01.2020**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Sprout pencils graphite, engraved quotes	A1	Pencil body main	Wood	Beige
A	Sprout pencils graphite, engraved quotes	A2	Pencil top main	Cellulose	Green
A	Sprout pencils graphite, engraved quotes	A3	Pencil dye main	-	Black

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**
Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP-OES and Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2019) (mg/kg)
	A1	A2		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	70,000
Soluble Antimony (Sb)	ND	ND	10	560
Soluble Arsenic (As)	ND	ND	10	47
Soluble Barium (Ba)	ND	ND	50	18,750
Soluble Boron (B)	ND	ND	50	15,000
Soluble Cadmium (Cd)	ND	ND	5	17
Soluble Chromium (III) (Cr (III))	ND	ND	5	460
Soluble Chromium (VI) (Cr (VI))	ND	ND	0.053	0.053
Soluble Cobalt (Co)	ND	ND	10	130
Soluble Copper (Cu)	ND	190	50	7,700
Soluble Lead (Pb)	ND	ND	10	23
Soluble Manganese (Mn)	ND	ND	50	15,000
Soluble Mercury (Hg)	ND	ND	10	94
Soluble Nickel (Ni)	ND	ND	10	930
Soluble Selenium (Se)	ND	ND	10	460
Soluble Strontium (Sr)	ND	ND	50	56,000
Soluble Tin (Sn)	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	--	12
Soluble Zinc (Zn)	ND	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	<b>PASS</b>	--	--

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**
Category I: Dry, brittle, powder-like or pliable toy material

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A3</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	229	50	5,625
Soluble Antimony (Sb)	ND	1	45
Soluble Arsenic (As)	ND	0.5	3.8
Soluble Barium (Ba)	ND	50	1,500
Soluble Boron (B)	ND	50	1,200
Soluble Cadmium (Cd)	ND	0.1	1.3
Soluble Chromium (III) (Cr (III))	ND	5	37.5
Soluble Chromium (VI) (Cr (VI))	ND	0.01	0.02
Soluble Cobalt (Co)	ND	0.5	10.5
Soluble Copper (Cu)	ND	50	622.5
Soluble Lead (Pb)	ND	0.5	2.0
Soluble Manganese (Mn)	ND	50	1,200
Soluble Mercury (Hg)	ND	0.5	7.5
Soluble Nickel (Ni)	ND	10	75
Soluble Selenium (Se)	ND	5	37.5
Soluble Strontium (Sr)	ND	50	4,500
Soluble Tin (Sn)	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	--	0.9
Soluble Zinc (Zn)	ND	50	3,750
<b>Conclusion</b>	<b>PASS</b>	--	--

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Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.36mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
Mechanical and Physical Properties <sup>1</sup>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark 1: Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant.**

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

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**SPROUT EUROPE APS**

VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK

TEL: +4529432351

**To the attention of Sidsel Lundtang Rasmussen**

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Sample No.	Sample Description
A	Sprout pencils graphite, printed quotes

Client's reference No. : TR 1842835-RV1  
Article No : 1B  
Manufacturer : PRINTY PIECZATKA POLSKA SP. Z.O.O.  
Country of Origin : POLEN  
Country of Destination : WORLDWIDE  
Sample Receiving Date : 11 December 2020  
Resubmit Date : 12 January 2021  
Test Performing Period : 11 December 2020 ~ 19 December 2020

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

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Test Parameters	Result				
	A1	A2	A3	A4	A5
<b>Chemical tests</b>					
Migration of Certain Elements - Category III - Chromium VI Confirmation	M	M	-	M	M
Migration of Certain Elements - Category I - Chromium VI Confirmation	-	-	M	-	-
Migration of Certain Elements - Category III	M	M	-	M	M
Migration of Certain Elements - Category I	-	-	M	-	-

Test Parameters	Result
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
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Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, MATERIAL FOR COMPONENT A2 WAS CHANGED IN COMPONENT LIST BY THE REQUEST OF THE APPLICANT.**

**THIS REPORT SUPERSEDES OUR REPORT NO: TR1842835 DATED 19.01.2020**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Sprout pencils graphite, printed quotes	A1	Pencil body main	Wood	Beige
A	Sprout pencils graphite, printed quotes	A2	Pencil top main	Cellulose	Green
A	Sprout pencils graphite, printed quotes	A3	Pencil dye main	-	Black
A	Sprout pencils graphite, printed quotes	A4	Pencil coating main	Coating	Black
A	Sprout pencils graphite, printed quotes	A5	Pencil coating main	Coating	Green

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**Test Report**

Job No./Report No TR1842835-RV1

Date:12 January 2021

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**
**Category III: Scrapped-off toy material**

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP-OES and Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)				Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2019) (mg/kg)
	A1	A2	A4	A5		
Mass of trace amount (mg)	--	--	--	--	--	--
Soluble Aluminium (Al)	ND	ND	ND	ND	50	70,000
Soluble Antimony (Sb)	ND	ND	ND	ND	10	560
Soluble Arsenic (As)	ND	ND	ND	ND	10	47
Soluble Barium (Ba)	ND	ND	ND	ND	50	18,750
Soluble Boron (B)	ND	ND	ND	ND	50	15,000
Soluble Cadmium (Cd)	ND	ND	ND	ND	5	17
Soluble Chromium (III) (Cr (III))	ND	ND	ND	ND	5	460
Soluble Chromium (VI) (Cr (VI))	ND	ND	ND	ND	0.053	0.053
Soluble Cobalt (Co)	ND	ND	ND	ND	10	130
Soluble Copper (Cu)	ND	203	ND	ND	50	7,700
Soluble Lead (Pb)	ND	ND	ND	ND	10	23
Soluble Manganese (Mn)	ND	ND	ND	ND	50	15,000
Soluble Mercury (Hg)	ND	ND	ND	ND	10	94
Soluble Nickel (Ni)	ND	ND	ND	ND	10	930
Soluble Selenium (Se)	ND	ND	ND	ND	10	460
Soluble Strontium (Sr)	ND	ND	ND	ND	50	56,000
Soluble Tin (Sn)	ND	ND	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	--	--	--	12
Soluble Zinc (Zn)	ND	ND	ND	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	--	--

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## Test Report

Job No./Report No TR1842835-RV1

Date:12 January 2021

Page 5 of 9

Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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**Test Report**

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Date:12 January 2021

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**
Category I: Dry, brittle, powder-like or pliable toy material

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A3</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	319	50	5,625
Soluble Antimony (Sb)	ND	1	45
Soluble Arsenic (As)	ND	0.5	3.8
Soluble Barium (Ba)	ND	50	1,500
Soluble Boron (B)	ND	50	1,200
Soluble Cadmium (Cd)	ND	0.1	1.3
Soluble Chromium (III) (Cr (III))	ND	5	37.5
Soluble Chromium (VI) (Cr (VI))	ND	0.01	0.02
Soluble Cobalt (Co)	ND	0.5	10.5
Soluble Copper (Cu)	ND	50	622.5
Soluble Lead (Pb)	ND	0.5	2.0
Soluble Manganese (Mn)	ND	50	1,200
Soluble Mercury (Hg)	ND	0.5	7.5
Soluble Nickel (Ni)	ND	10	75
Soluble Selenium (Se)	ND	5	37.5
Soluble Strontium (Sr)	ND	50	4,500
Soluble Tin (Sn)	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	--	0.9
Soluble Zinc (Zn)	ND	50	3,750
<b>Conclusion</b>	<b>PASS</b>	--	--

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## Test Report

Job No./Report No TR1842835-RV1

Date:12 January 2021

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.36mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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## Test Report

Job No./Report No TR1842835-RV1

Date:12 January 2021

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
<b>Mechanical and Physical Properties<sup>1</sup></b>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
A		
CLAUSE	DESCRIPTION	RESULT
4	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
A		
CLAUSE	DESCRIPTION	RESULT
4	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark 1: Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant.**

**Test Report**

Job No./Report No TR1842835-RV1

Date:12 January 2021

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

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**Test Report** Job No./Report No TR1909927

Date: 21 May 2021

Page 1 of 9

**SPROUT EUROPE APS**

VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK

TEL: +4528432351

**To the attention of Sidsel Lundtang Rasmussen**

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

Sample No.	Sample Description
A	Color Pencil, Red With Red Print Text

Client's reference No. : TR 1909952  
Manufacturer : MAJEEWSKI  
Country of Origin : POLAND  
Country of Destination : DENMARK  
Sample Receiving Date : 14 April 2021  
Test Performing Period : 14 April 2021 ~ 21 May 2021

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
<b>Chemical tests</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>
Migration of Certain Elements - Category I - Organic Tin Confirmation	M	-	-
Migration of Certain Elements - Category III- Chromium VI Confirmation	-	M	M
Migration of Certain Elements - Category I - Chromium VI Confirmation	M	-	-
Migration of Certain Elements - Category III	-	M	M
Migration of Certain Elements - Category I	M	-	-

Test Parameters	Result
<b>Physical tests</b>	<b>A</b>
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component <u>has been carried out</u> as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Color Pencil, Red With Red Print Text	A1	Dye	Dye	Red
A	Color Pencil, Red With Red Print Text	A2	Pencil outer main	Wood	Beige
A	Color Pencil, Red With Red Print Text	A3	Top capsul	Cellulose	Green

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP-OES AND Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2019) (mg/kg)
	A2	A3		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	70,000
Soluble Antimony (Sb)	ND	ND	10	560
Soluble Arsenic (As)	ND	ND	10	47
Soluble Barium (Ba)	ND	ND	50	18,750
Soluble Boron (B)	ND	ND	50	15,000
Soluble Cadmium (Cd)	ND	ND	5	17
Soluble Chromium (III) (Cr (III))	ND	ND	5	460
Soluble Chromium (VI) (Cr (VI))	ND	ND	0.053	0.053
Soluble Cobalt (Co)	ND	ND	10	130
Soluble Copper (Cu)	ND	203	50	7,700
Soluble Lead (Pb)	ND	ND	10	23
Soluble Manganese (Mn)	ND	ND	50	15,000
Soluble Mercury (Hg)	ND	ND	10	94
Soluble Nickel (Ni)	ND	ND	10	930
Soluble Selenium (Se)	ND	ND	10	460
Soluble Strontium (Sr)	ND	ND	50	56,000
Soluble Tin (Sn)	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	--	12
Soluble Zinc (Zn)	ND	ND	50	46,000
<b>Comment/ Conclusion</b>	<b>PASS</b>	<b>PASS</b>	--	--

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## TEST REPORT

Job No./Report No TR1909927

Date:21 May 2021

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS/LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A1</b>			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	326		50	5,625
Soluble Antimony (Sb)	ND		1	45
Soluble Arsenic (As)	ND		0.5	3.8
Soluble Barium (Ba)	348		50	1,500
Soluble Boron (B)	ND		50	1,200
Soluble Cadmium (Cd)	ND		0.1	1.3
Soluble Chromium (III) (Cr (III))	ND		5	37.5
Soluble Chromium (VI) (Cr (VI))	ND		0.01	0.02
Soluble Cobalt (Co)	ND		0.5	10.5
Soluble Copper (Cu)	ND		50	622.5
Soluble Lead (Pb)	ND		0.5	2.0
Soluble Manganese (Mn)	ND		50	1,200
Soluble Mercury (Hg)	ND		0.5	7.5
Soluble Nickel (Ni)	ND		10	75
Soluble Selenium (Se)	ND		5	37.5
Soluble Strontium (Sr)	ND		50	4,500
Soluble Tin (Sn)	0.96		0.36	15,000
Soluble Organic Tin	See Below Table		--	0.9
Soluble Zinc (Zn)	ND		50	3,750
<b>Conclusion</b>	<b>PASS</b>		--	--

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Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
	A1		
Methyl tin (MeT)	ND		0.135
Dimethyl tin (DMT)	ND		0.135
Di-n-propyl tin (DProT)	ND		0.135
Butyl tin (BuT)	ND		0.135
Dibutyl tin (DBT)	ND		0.135
Tributyl tin (TBT)	ND		0.135
n-Octyl tin (MOT)	ND		0.135
Di-n-octyl tin (DOT)	ND		0.135
Tetrabutyl tin (TeBT)	ND		0.135
Diphenyl tin (DPhT)	ND		0.135
Triphenyl tin (TPhT)	ND		0.135

- Note :
- mg/kg = milligram per kilogram
  - ND = Not Detected
  - 1% = 10000 mg/kg = 10000 ppm
  - Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
Mechanical and Physical Properties <sup>1</sup>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark : Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant. There may be additional hazards and labeling requirements that are not covered by this standard.**

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\* \* \*

End of Test Report

\* \* \*

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**Test Report** Job No./Report No TR1909934-RV1 Date: 21 May 2021 Page 1 of 9

**SPROUT EUROPE APS**  
VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK  
TEL: +4528432351

**To the attention of Sidsel Lundtang Rasmussen**

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

Sample No.	Sample Description
A	Color Pencil, Blue With Blue Print Text

Client's reference No. : TR 1909934-RV1  
Manufacturer : MAJEEWSKI  
Country of Origin : POLAND  
Country of Destination : DENMARK  
Sample Receiving Date : 14 April 2021  
Sample Receiving Date : 21 May 2021  
Test Performing Period : 14 April 2021 ~ 21 May 2021

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
<b>Chemical tests</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>
Migration of Certain Elements - Category I - Chromium VI Confirmation	M	-	-
Migration of Certain Elements - Category III	-	M	M
Migration of Certain Elements - Category I	M	-	-

Test Parameters	Result
<b>Physical tests</b>	<b>A</b>
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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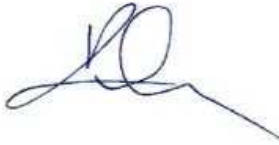
The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, TYPING MISTAKE WAS CORRECTED.**  
**THIS REPORT SUPERSEDES OUR REPORT NO: 1909934 DATED 21.05.2021**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Color Pencil, Blue With Blue Print Text	A1	Dye	Dye	Blue
A	Color Pencil, Blue With Blue Print Text	A2	Pencil outer main	Wood	Beige
A	Color Pencil, Blue With Blue Print Text	A3	Top capsul	Cellulose	Green

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP OES.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3 :2019) (mg/kg)
	<u>A2</u>	<u>A3</u>		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	70,000
Soluble Antimony (Sb)	ND	ND	10	560
Soluble Arsenic (As)	ND	ND	10	47
Soluble Barium (Ba)	ND	ND	50	18,750
Soluble Boron (B)	ND	ND	50	15,000
Soluble Cadmium (Cd)	ND	ND	5	17
Soluble Chromium (Cr)	ND	ND	0.053	--
Soluble Chromium (III) <sup>#</sup> (Cr (III))	--	--	5	460
Soluble Chromium (VI) <sup>#</sup> (Cr (VI))	--	--	0.053	0.053
Soluble Cobalt (Co)	ND	ND	10	130
Soluble Copper (Cu)	ND	ND	50	7,700
Soluble Lead (Pb)	ND	ND	10	23
Soluble Manganese (Mn)	ND	ND	50	15,000
Soluble Mercury (Hg)	ND	ND	10	94
Soluble Nickel (Ni)	ND	ND	10	930
Soluble Selenium (Se)	ND	ND	10	460
Soluble Strontium (Sr)	ND	ND	50	56,000
Soluble Tin (Sn)	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	--	12
Soluble Zinc (Zn)	ND	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	<b>PASS</b>	--	--

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## TEST REPORT

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- # The test result of soluble chromium (III) and chromium (VI) were derived from soluble chromium screening and then confirmation test for soluble chromium (III) and soluble Chromium (VI) on component with soluble chromium exceeding the screening limit of 0.053 mg/kg soluble Cr.
- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 4.9 mg/kg soluble Sn.

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

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

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A1</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	173	50	5,625
Soluble Antimony (Sb)	ND	1	45
Soluble Arsenic (As)	ND	0.5	3.8
Soluble Barium (Ba)	ND	50	1,500
Soluble Boron (B)	ND	50	1,200
Soluble Cadmium (Cd)	ND	0.1	1.3
Soluble Chromium (III) (Cr (III))	ND	5	37.5
Soluble Chromium (VI) (Cr (VI))	ND	0.01	0.02
Soluble Cobalt (Co)	ND	0.5	10.5
Soluble Copper (Cu)	ND	50	622.5
Soluble Lead (Pb)	ND	0.5	2.0
Soluble Manganese (Mn)	ND	50	1,200
Soluble Mercury (Hg)	ND	0.5	7.5
Soluble Nickel (Ni)	ND	10	75
Soluble Selenium (Se)	ND	5	37.5
Soluble Strontium (Sr)	ND	50	4,500
Soluble Tin (Sn)	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	--	0.9
Soluble Zinc (Zn)	ND	50	3,750
<b>Conclusion</b>	<b>PASS</b>	--	--

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AB-0690-T

TR1909934-RV1

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**TEST REPORT** Job No./Report No TR1909934-RV1

Date:21 May 2021

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Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.36mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

Doc. No.: CTSL-F.-5.10-98NF / First Publish Date: 28.08.2014 / Revision Date / No.:04.03.2021 / 7

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
Mechanical and Physical Properties <sup>1</sup>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark : Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant. There may be additional hazards and labeling requirements that are not covered by this standard.**

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TEST REPORT Job No./Report No TR1909934-RV1

Date:21 May 2021

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\* \* \*

End of Test Report

\* \* \*

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## Test Report

Job No./Report No TR1909938-RV1

Date: 21 May 2021

Page 1 of 11

### SPROUT EUROPE APS

VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK

TEL: +4528432351

### To the attention of Sidsel Lundtang Rasmussen

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

Sample No.	Sample Description
A	Color Pencil, Green With Green Print Text

Client's reference No. : TR 1909938-RV1  
 Manufacturer : MAJEEWSKI  
 Country of Origin : POLAND  
 Country of Destination : DENMARK  
 Sample Receiving Date : 14 April 2021  
 Resubmit Date : 21 May 2021  
 Test Performing Period : 14 April 2021 ~ 21 May 2021

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
<b>Chemical tests</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>
Migration of Certain Elements - Category I - Organic Tin Confirmation	M	-	-
Migration of Certain Elements - Category III- Chromium VI Confirmation	-	-	M
Migration of Certain Elements - Category I - Chromium VI Confirmation	M	-	-
Migration of Certain Elements - Category III	-	M	M
Migration of Certain Elements - Category I	M	-	-

Test Parameters	Result
<b>Physical tests</b>	<b>A</b>
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component <u>has been carried out</u> as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, TYPING MISTAKE WAS CORRECTED.**  
**THIS REPORT SUPERSEDES OUR REPORT NO: 1909938 DATED 21.05.2021**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Color Pencil, Green With Green Print Text	A1	Dye	Dye	Green
A	Color Pencil, Green With Green Print Text	A2	Pencil outer main	Wood	Beige
A	Color Pencil, Green With Green Print Text	A3	Top capsul	Cellulose	Green

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP OES.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3 :2019) (mg/kg)
	<b>A2</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	ND	50	70,000
Soluble Antimony (Sb)	ND	10	560
Soluble Arsenic (As)	ND	10	47
Soluble Barium (Ba)	ND	50	18,750
Soluble Boron (B)	ND	50	15,000
Soluble Cadmium (Cd)	ND	5	17
Soluble Chromium (Cr)	ND	0.053	--
Soluble Chromium (III) <sup>#</sup> (Cr (III))	--	5	460
Soluble Chromium (VI) <sup>#</sup> (Cr (VI))	--	0.053	0.053
Soluble Cobalt (Co)	ND	10	130
Soluble Copper (Cu)	ND	50	7,700
Soluble Lead (Pb)	ND	10	23
Soluble Manganese (Mn)	ND	50	15,000
Soluble Mercury (Hg)	ND	10	94
Soluble Nickel (Ni)	ND	10	930
Soluble Selenium (Se)	ND	10	460
Soluble Strontium (Sr)	ND	50	56,000
Soluble Tin (Sn)	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	12
Soluble Zinc (Zn)	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	--	--

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AB-0690-T

TR1909938-RV1

5-21

**TEST REPORT** Job No./Report No TR1909938-RV1

Date:21 May 2021

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Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP-OES AND Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2019) (mg/kg)
	<b>A3</b>			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	ND		50	70,000
Soluble Antimony (Sb)	ND		10	560
Soluble Arsenic (As)	ND		10	47
Soluble Barium (Ba)	ND		50	18,750
Soluble Boron (B)	ND		50	15,000
Soluble Cadmium (Cd)	ND		5	17
Soluble Chromium (III) (Cr (III))	ND		5	460
Soluble Chromium (VI) (Cr (VI))	ND		0.053	0.053
Soluble Cobalt (Co)	ND		10	130
Soluble Copper (Cu)	187		50	7,700
Soluble Lead (Pb)	ND		10	23
Soluble Manganese (Mn)	ND		50	15,000
Soluble Mercury (Hg)	ND		10	94
Soluble Nickel (Ni)	ND		10	930
Soluble Selenium (Se)	ND		10	460
Soluble Strontium (Sr)	ND		50	56,000
Soluble Tin (Sn)	ND		4.9	180,000
Soluble Organic Tin <sup>^</sup>	--		--	12
Soluble Zinc (Zn)	ND		50	46,000
<b>Comment/ Conclusion</b>	<b>PASS</b>		--	--

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AB-0690-T

TR1909938-RV1

5-21

**TEST REPORT** Job No./Report No TR1909938-RV1

Date:21 May 2021

Page 7 of 11

Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

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

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS/LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A1</b>			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	280		50	5,625
Soluble Antimony (Sb)	ND		1	45
Soluble Arsenic (As)	ND		0.5	3.8
Soluble Barium (Ba)	ND		50	1,500
Soluble Boron (B)	ND		50	1,200
Soluble Cadmium (Cd)	ND		0.1	1.3
Soluble Chromium (III) (Cr (III))	ND		5	37.5
Soluble Chromium (VI) (Cr (VI))	ND		0.01	0.02
Soluble Cobalt (Co)	ND		0.5	10.5
Soluble Copper (Cu)	ND		50	622.5
Soluble Lead (Pb)	ND		0.5	2.0
Soluble Manganese (Mn)	ND		50	1,200
Soluble Mercury (Hg)	ND		0.5	7.5
Soluble Nickel (Ni)	ND		10	75
Soluble Selenium (Se)	ND		5	37.5
Soluble Strontium (Sr)	ND		50	4,500
Soluble Tin (Sn)	1.2		0.36	15,000
Soluble Organic Tin	See Below Table		--	0.9
Soluble Zinc (Zn)	ND		50	3,750
<b>Conclusion</b>	<b>PASS</b>		--	--

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Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
	A1		
Methyl tin (MeT)	ND		0.135
Dimethyl tin (DMT)	ND		0.135
Di-n-propyl tin (DProT)	ND		0.135
Butyl tin (BuT)	ND		0.135
Dibutyl tin (DBT)	ND		0.135
Tributyl tin (TBT)	ND		0.135
n-Octyl tin (MOT)	ND		0.135
Di-n-octyl tin (DOT)	ND		0.135
Tetrabutyl tin (TeBT)	ND		0.135
Diphenyl tin (DPhT)	ND		0.135
Triphenyl tin (TPhT)	ND		0.135

- Note :
- mg/kg = milligram per kilogram
  - ND = Not Detected
  - 1% = 10000 mg/kg = 10000 ppm
  - Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
<b>Mechanical and Physical Properties<sup>1</sup></b>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark : Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant. There may be additional hazards and labeling requirements that are not covered by this standard.**

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\* \* \*

End of Test Report

\* \* \*

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**Test Report** Job No./Report No TR1909941-RV1 Date: 21 May 2021 Page 1 of 9

**SPROUT EUROPE APS**  
VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK  
TEL: +4528432351

**To the attention of Sidsel Lundtang Rasmussen**

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

Sample No.	Sample Description
A	Color Pencil, Yellow With Yellow Print Text

Client's reference No. : TR 1909941-RV1  
Manufacturer : MAJEEWSKI  
Country of Origin : POLAND  
Country of Destination : DENMARK  
Sample Receiving Date : 14 April 2021  
Resubmit Date : 21 May 2021  
Test Performing Period : 14 April 2021 ~ 21 May 2021

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
	A1	A2	A3
<b>Chemical tests</b>			
Migration of Certain Elements - Category I - Organic Tin Confirmation	M	-	-
Migration of Certain Elements - Category I - Chromium VI Confirmation	M	-	-
Migration of Certain Elements - Category III	-	M	M
Migration of Certain Elements - Category I	M	-	-

Test Parameters	Result
	A
<b>Physical tests</b>	
Safety of Toys - Mechanical and Physical Properties	M
Safety of Toys - Flammability	M

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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## TEST REPORT

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The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, TYPING MISTAKE WAS CORRECTED.**  
**THIS REPORT SUPERSEDES OUR REPORT NO: 1909941 DATED 21.05.2021**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Color Pencil, Yellow With Yellow Print Text	A1	Dye	Dye	Yellow
A	Color Pencil, Yellow With Yellow Print Text	A2	Pencil outer main	Wood	Beige
A	Color Pencil, Yellow With Yellow Print Text	A3	Top capsul	Cellulose	Green

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP OES.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3 :2019) (mg/kg)
	<u>A2</u>	<u>A3</u>		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	70,000
Soluble Antimony (Sb)	ND	ND	10	560
Soluble Arsenic (As)	ND	ND	10	47
Soluble Barium (Ba)	ND	ND	50	18,750
Soluble Boron (B)	ND	ND	50	15,000
Soluble Cadmium (Cd)	ND	ND	5	17
Soluble Chromium (Cr)	ND	ND	0.053	--
Soluble Chromium (III) <sup>#</sup> (Cr (III))	--	--	5	460
Soluble Chromium (VI) <sup>#</sup> (Cr (VI))	--	--	0.053	0.053
Soluble Cobalt (Co)	ND	ND	10	130
Soluble Copper (Cu)	ND	ND	50	7,700
Soluble Lead (Pb)	ND	ND	10	23
Soluble Manganese (Mn)	ND	ND	50	15,000
Soluble Mercury (Hg)	ND	ND	10	94
Soluble Nickel (Ni)	ND	ND	10	930
Soluble Selenium (Se)	ND	ND	10	460
Soluble Strontium (Sr)	ND	ND	50	56,000
Soluble Tin (Sn)	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	--	12
Soluble Zinc (Zn)	ND	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	<b>PASS</b>	--	--

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- # The test result of soluble chromium (III) and chromium (VI) were derived from soluble chromium screening and then confirmation test for soluble chromium (III) and soluble Chromium (VI) on component with soluble chromium exceeding the screening limit of 0.053 mg/kg soluble Cr.
- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 4.9 mg/kg soluble Sn.

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

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

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS/LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A1</b>			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	170		50	5,625
Soluble Antimony (Sb)	ND		1	45
Soluble Arsenic (As)	ND		0.5	3.8
Soluble Barium (Ba)	ND		50	1,500
Soluble Boron (B)	ND		50	1,200
Soluble Cadmium (Cd)	ND		0.1	1.3
Soluble Chromium (III) (Cr (III))	ND		5	37.5
Soluble Chromium (VI) (Cr (VI))	ND		0.01	0.02
Soluble Cobalt (Co)	ND		0.5	10.5
Soluble Copper (Cu)	ND		50	622.5
Soluble Lead (Pb)	ND		0.5	2.0
Soluble Manganese (Mn)	ND		50	1,200
Soluble Mercury (Hg)	ND		0.5	7.5
Soluble Nickel (Ni)	ND		10	75
Soluble Selenium (Se)	ND		5	37.5
Soluble Strontium (Sr)	ND		50	4,500
Soluble Tin (Sn)	0.58		0.36	15,000
Soluble Organic Tin	See Below Table		--	0.9
Soluble Zinc (Zn)	ND		50	3,750
<b>Conclusion</b>	<b>PASS</b>		--	--

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Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
	A1		
Methyl tin (MeT)	ND		0.135
Dimethyl tin (DMT)	ND		0.135
Di-n-propyl tin (DProT)	ND		0.135
Butyl tin (BuT)	ND		0.135
Dibutyl tin (DBT)	ND		0.135
Tributyl tin (TBT)	ND		0.135
n-Octyl tin (MOT)	ND		0.135
Di-n-octyl tin (DOT)	ND		0.135
Tetrabutyl tin (TeBT)	ND		0.135
Diphenyl tin (DPhT)	ND		0.135
Triphenyl tin (TPhT)	ND		0.135

- Note :
- mg/kg = milligram per kilogram
  - ND = Not Detected
  - 1% = 10000 mg/kg = 10000 ppm
  - Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
Mechanical and Physical Properties <sup>1</sup>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark : Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant. There may be additional hazards and labeling requirements that are not covered by this standard.**

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\* \* \*

End of Test Report

\* \* \*

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**Test Report** Job No./Report No TR1909944-RV1

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**SPROUT EUROPE APS**

VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK

TEL: +4528432351

**To the attention of Sidsel Lundtang Rasmussen**

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

Sample No.	Sample Description
A	Color Pencil, Pink With Pink Print Text

Client's reference No. : TR 1909944-RV1  
Manufacturer : MAJEEWSKI  
Country of Origin : POLAND  
Country of Destination : DENMARK  
Sample Receiving Date : 14 April 2021  
Resubmit Date : 21 May 2021  
Test Performing Period : 14 April 2021 ~ 21 May 2021

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
<b>Chemical tests</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>
Migration of Certain Elements - Category III- Chromium VI Confirmation	-	-	M
Migration of Certain Elements - Category I - Chromium VI Confirmation	M	-	-
Migration of Certain Elements - Category III	-	M	M
Migration of Certain Elements - Category I	M	-	-

Test Parameters	Result
<b>Physical tests</b>	<b>A</b>
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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## TEST REPORT

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The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, TYPING MISTAKE WAS CORRECTED.**  
**THIS REPORT SUPERSEDES OUR REPORT NO: 1909944 DATED 21.05.2021**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager



### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Color Pencil, Pink With Pink Print Text	A1	Dye	Dye	Pink
A	Color Pencil, Pink With Pink Print Text	A2	Pencil outer main	Wood	Beige
A	Color Pencil, Pink With Pink Print Text	A3	Top capsul	Cellulose	Green

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP OES.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3 :2019) (mg/kg)
	<b>A2</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	ND	50	70,000
Soluble Antimony (Sb)	ND	10	560
Soluble Arsenic (As)	ND	10	47
Soluble Barium (Ba)	ND	50	18,750
Soluble Boron (B)	ND	50	15,000
Soluble Cadmium (Cd)	ND	5	17
Soluble Chromium (Cr)	ND	0.053	--
Soluble Chromium (III) <sup>#</sup> (Cr (III))	--	5	460
Soluble Chromium (VI) <sup>#</sup> (Cr (VI))	--	0.053	0.053
Soluble Cobalt (Co)	ND	10	130
Soluble Copper (Cu)	ND	50	7,700
Soluble Lead (Pb)	ND	10	23
Soluble Manganese (Mn)	ND	50	15,000
Soluble Mercury (Hg)	ND	10	94
Soluble Nickel (Ni)	ND	10	930
Soluble Selenium (Se)	ND	10	460
Soluble Strontium (Sr)	ND	50	56,000
Soluble Tin (Sn)	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	12
Soluble Zinc (Zn)	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	--	--

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AB-0690-T

TR1909944-RV1

5-21

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Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

Doc. No.: CTSL-F-.5.10-98NF / First Publish Date: 28.08.2014 / Revision Date / No.:04.03.2021 / 7

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Member of the SGS Group

**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP-OES AND Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2019) (mg/kg)
	<b>A3</b>			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	ND		50	70,000
Soluble Antimony (Sb)	ND		10	560
Soluble Arsenic (As)	ND		10	47
Soluble Barium (Ba)	ND		50	18,750
Soluble Boron (B)	ND		50	15,000
Soluble Cadmium (Cd)	ND		5	17
Soluble Chromium (III) (Cr (III))	ND		5	460
Soluble Chromium (VI) (Cr (VI))	ND		0.053	0.053
Soluble Cobalt (Co)	ND		10	130
Soluble Copper (Cu)	93		50	7,700
Soluble Lead (Pb)	ND		10	23
Soluble Manganese (Mn)	ND		50	15,000
Soluble Mercury (Hg)	ND		10	94
Soluble Nickel (Ni)	ND		10	930
Soluble Selenium (Se)	ND		10	460
Soluble Strontium (Sr)	ND		50	56,000
Soluble Tin (Sn)	ND		4.9	180,000
Soluble Organic Tin <sup>^</sup>	--		--	12
Soluble Zinc (Zn)	ND		50	46,000
<b>Comment/ Conclusion</b>	<b>PASS</b>		--	--

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## TEST REPORT

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

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

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A1</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	399	50	5,625
Soluble Antimony (Sb)	ND	1	45
Soluble Arsenic (As)	ND	0.5	3.8
Soluble Barium (Ba)	ND	50	1,500
Soluble Boron (B)	ND	50	1,200
Soluble Cadmium (Cd)	ND	0.1	1.3
Soluble Chromium (III) (Cr (III))	ND	5	37.5
Soluble Chromium (VI) (Cr (VI))	ND	0.01	0.02
Soluble Cobalt (Co)	ND	0.5	10.5
Soluble Copper (Cu)	ND	50	622.5
Soluble Lead (Pb)	ND	0.5	2.0
Soluble Manganese (Mn)	ND	50	1,200
Soluble Mercury (Hg)	ND	0.5	7.5
Soluble Nickel (Ni)	ND	10	75
Soluble Selenium (Se)	ND	5	37.5
Soluble Strontium (Sr)	ND	50	4,500
Soluble Tin (Sn)	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	--	0.9
Soluble Zinc (Zn)	ND	50	3,750
<b>Conclusion</b>	<b>PASS</b>	--	--

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## TEST REPORT

Job No./Report No TR1909944-RV1

Date:21 May 2021

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Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.36mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
Mechanical and Physical Properties <sup>1</sup>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark : Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant. There may be additional hazards and labeling requirements that are not covered by this standard.**

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\* \* \*

End of Test Report

\* \* \*

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**Test Report** Job No./Report No TR1909949-RV1 Date: 21 May 2021 Page 1 of 11

**SPROUT EUROPE APS**  
VIBEHOLMS ALLE 16,1.SAL,2605 BRONDBY, DK  
TEL: +4528432351

**To the attention of Sidsel Lundtang Rasmussen**

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

Sample No.	Sample Description
A	Color Pencil, Orange With Orange Print Text

Client's reference No. : TR 1909949-RV1  
Manufacturer : MAJEEWSKI  
Country of Origin : POLAND  
Country of Destination : DENMARK  
Sample Receiving Date : 14 April 2021  
Resubmit Date : 21 May 2021  
Test Performing Period : 14 April 2021 ~ 21 May 2021

**Overall Conclusion** : **SEE RESULTS**

Test Results : Please refer to the next page(s).

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result		
<b>Chemical tests</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>
Migration of Certain Elements - Category III- Chromium VI Confirmation	-	-	M
Migration of Certain Elements - Category I - Chromium VI Confirmation	M	-	-
Migration of Certain Elements - Category III	-	M	M
Migration of Certain Elements - Category I	M	-	-

Test Parameters	Result
<b>Physical tests</b>	<b>A</b>
Safety of Toys - Mechanical and Physical Properties	See Results
Safety of Toys - Flammability	See Results

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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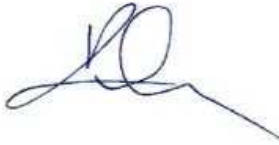
The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, TYPING MISTAKE WAS CORRECTED.**  
**THIS REPORT SUPERSEDES OUR REPORT NO: 1909949 DATED 21.05.2021**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager




### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Color Pencil, Orange With Orange Print Text	A1	Dye	Dye	Orange
A	Color Pencil, Orange With Orange Print Text	A2	Pencil outer main	Wood	Beige
A	Color Pencil, Orange With Orange Print Text	A3	Top capsul	Cellulose	Green

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP OES.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3 :2019) (mg/kg)
	<b>A2</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	ND	50	70,000
Soluble Antimony (Sb)	ND	10	560
Soluble Arsenic (As)	ND	10	47
Soluble Barium (Ba)	ND	50	18,750
Soluble Boron (B)	ND	50	15,000
Soluble Cadmium (Cd)	ND	5	17
Soluble Chromium (Cr)	ND	0.053	--
Soluble Chromium (III) <sup>#</sup> (Cr (III))	--	5	460
Soluble Chromium (VI) <sup>#</sup> (Cr (VI))	--	0.053	0.053
Soluble Cobalt (Co)	ND	10	130
Soluble Copper (Cu)	ND	50	7,700
Soluble Lead (Pb)	ND	10	23
Soluble Manganese (Mn)	ND	50	15,000
Soluble Mercury (Hg)	ND	10	94
Soluble Nickel (Ni)	ND	10	930
Soluble Selenium (Se)	ND	10	460
Soluble Strontium (Sr)	ND	50	56,000
Soluble Tin (Sn)	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	--	12
Soluble Zinc (Zn)	ND	50	46,000
<b>Conclusion</b>	<b>PASS</b>	--	--

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AB-0690-T

TR1909949-RV1

5-21

**TEST REPORT** Job No./Report No TR1909949-RV1

Date:21 May 2021

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Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.4.9 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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Member of the SGS Group



**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019. Analysis of general elements was performed by ICP-OES AND Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2019) (mg/kg)
	<b>A3</b>			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	ND		50	70,000
Soluble Antimony (Sb)	ND		10	560
Soluble Arsenic (As)	ND		10	47
Soluble Barium (Ba)	ND		50	18,750
Soluble Boron (B)	ND		50	15,000
Soluble Cadmium (Cd)	ND		5	17
Soluble Chromium (III) (Cr (III))	ND		5	460
Soluble Chromium (VI) (Cr (VI))	ND		0.053	0.053
Soluble Cobalt (Co)	ND		10	130
Soluble Copper (Cu)	109		50	7,700
Soluble Lead (Pb)	ND		10	23
Soluble Manganese (Mn)	ND		50	15,000
Soluble Mercury (Hg)	ND		10	94
Soluble Nickel (Ni)	ND		10	930
Soluble Selenium (Se)	ND		10	460
Soluble Strontium (Sr)	ND		50	56,000
Soluble Tin (Sn)	ND		4.9	180,000
Soluble Organic Tin <sup>^</sup>	--		--	12
Soluble Zinc (Zn)	ND		50	46,000
<b>Comment/ Conclusion</b>	<b>PASS</b>		--	--

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AB-0690-T

TR1909949-RV1

5-21

**TEST REPORT** Job No./Report No TR1909949-RV1

Date:21 May 2021

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SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

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**Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements<sup>1</sup>**

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

Method : With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	<b>A1</b>		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	293	50	5,625
Soluble Antimony (Sb)	ND	1	45
Soluble Arsenic (As)	ND	0.5	3.8
Soluble Barium (Ba)	395	50	1,500
Soluble Boron (B)	ND	50	1,200
Soluble Cadmium (Cd)	ND	0.1	1.3
Soluble Chromium (III) (Cr (III))	ND	5	37.5
Soluble Chromium (VI) (Cr (VI))	ND	0.01	0.02
Soluble Cobalt (Co)	ND	0.5	10.5
Soluble Copper (Cu)	ND	50	622.5
Soluble Lead (Pb)	ND	0.5	2.0
Soluble Manganese (Mn)	ND	50	1,200
Soluble Mercury (Hg)	ND	0.5	7.5
Soluble Nickel (Ni)	ND	10	75
Soluble Selenium (Se)	ND	5	37.5
Soluble Strontium (Sr)	ND	50	4,500
Soluble Tin (Sn)	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	--	0.9
Soluble Zinc (Zn)	ND	50	3,750
<b>Conclusion</b>	<b>PASS</b>	--	--

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SGS applied shared risk decision rule.

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Note : - mg/kg = milligram per kilogram  
- ND = Not Detected  
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.36mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

European Standard on Safety of Toys		
Mechanical and Physical Properties <sup>1</sup>		
Test Method:	BS EN 71-1: 2014 + A1:2018	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Flammability of Toys <sup>1</sup>		
Test Method:	BS EN 71- 2: 2011 + A1:2014	
<b>A</b>		
CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>GENERAL REQUIREMENTS</b>	
4.1	a) Cellulose Nitrate Control	Pass

**Remark : Although the product isn't a toy, it has been tested with standard of EN 71-1 & EN 71-2 by the request of the applicant. There may be additional hazards and labeling requirements that are not covered by this standard.**

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Date:21 May 2021

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End of Test Report

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