

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 1 of 40

### CEREN KAĞIT VE KIRTASIYE SAN AŞ

OSB ZIYA GOKALP MH ESKI TURGUT OZAL CD HATESAD IS MERK BASAKSEHIR ISTANBUL

TEL: 02124070888

FAX: 02124070666

**To the attention of Bercem Keresteci & Figen Toprak**

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

Sample No.	Sample Description
A	PLAY-KU016 Jumbo Triangular Colour Pencils
B	PLAY-KU011 Biocolor Pencils
C	PLAY-KU012 Triangular Colour Pencils
D	PLAY- KU010 Aquarell Color Pencils

Client's reference No. : TR 606234  
 Buyer : Hardline  
 Order No. : Not Provided  
 Division : Stationery  
 Model/Style No. : Not Provided  
 Article No. : PLAY-KU016, PLAY-KU011, PLAY-KU012, PLAY-KU010  
 Age Grade : A:+3  
 Age Group Applied : A:+3  
 Manufacturer : Not Provided  
 Country of Origin : Not Provided  
 Country of Destination : Not Provided  
 Shipment Date : Not Provided  
 Fiber Composition : Not Provided  
 Fabric Weight : Not Provided  
 End Use : Not Provided  
 Sample Receiving Date : 16 May 2014  
 Resubmit Date : 20 June 2014  
 Test Performing Period : 16 May 2014 ~ 25 June 2014  
**Submitted Care Label Instructions** : Not Provided

**Overall Conclusion** : **PASS**

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

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

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

**TEST REPORT**

Job No./Report No TR606234 -1

Date:26 June 2014

Page 2 of 40

Test Parameters	Result					
	<u>A1</u>	<u>A2 + A3 + A4</u>	<u>A5 + A6 + A7</u>	<u>A8 + A9</u>	<u>A10 + A11 + A12</u>	<u>A13 + A14 + A15</u>
<b>Chemical tests</b>						
Azo Dyes (Natural)	M	M	M	M	-	-
Determination of 4-AAB (Natural)	M	-	-	-	-	-
Phthalates	-	M	M	M	M	M
European Directive 2009/48/EC-Migration of certain elements-Category I	-	M	M	M	-	-
European Directive 2009/48/EC-Migration of certain elements-Category III	M	-	-	-	-	-

Test Parameters	Result					
	<u>A16 + A17</u>	<u>A18 + A19 + A21</u>	<u>A20</u>	<u>A22 + A24</u>	<u>A23 + A25 + A26</u>	<u>A27 + A28</u>
<b>Chemical tests</b>						
Phthalates	M	-	-	-	-	-
European Directive 2009/48/EC-Migration of certain elements-Category III	-	M	M	M	M	M

Test Parameters	Result		
	<u>B1 + B2 + B3</u>	<u>B4 + B5 + B6</u>	<u>B7 + B8 + B9</u>
<b>Chemical tests</b>			
Azo Dyes (Natural)	M	M	-
Determination of 4-AAB (Natural)	M	M	-
Phthalates	M	M	M
European Directive 2009/48/EC-Migration of certain elements-Category I	M	M	M

Test Parameters	Result					
	<u>B10 + B11</u>	<u>B10 + B11 + B12</u>	<u>B13 + B14 + B15</u>	<u>B16 + B17 + B18</u>	<u>B19 + B20 + B21</u>	<u>B22 + B23 + B24</u>
<b>Chemical tests</b>						
Azo Dyes (Natural)	M	-	M	M	M	M
Determination of 4-AAB (Natural)	M	-	M	M	M	M
Phthalates	-	M	M	M	M	M
European Directive 2009/48/EC-Migration of certain elements-Category I	-	M	M	M	M	M

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

**TEST REPORT**

Job No./Report No TR606234 -1

Date:26 June 2014

Page 3 of 40

Test Parameters	Result
<b>Chemical tests</b>	<b>B25 + B26 + B27</b>
Phthalates	M

Test Parameters	Result		
<b>Chemical tests</b>	<b>B34 + B35 + B36</b>	<b>B37 + B38 + B39</b>	<b>B40 + B41 + B42</b>
Phthalates	M	-	-
European Directive 2009/48/EC-Migration of certain elements-Category III	-	M	M

Test Parameters	Result					
<b>Chemical tests</b>	<b>B43 + B44 + B45</b>	<b>B46 + B47 + B48</b>	<b>B49 + B50 + B51</b>	<b>B52 + B53 + B54</b>	<b>B55 + B56 + B57</b>	<b>B58 + B59 + B60</b>
European Directive 2009/48/EC-Migration of certain elements-Category III	M	M	M	M	M	M

Test Parameters	Result				
<b>Chemical tests</b>	<b>C1 + C2 + C3</b>	<b>C4 + C5 + C6</b>	<b>C7 + C8 + C9</b>	<b>C10 + C11</b>	<b>C13 + C14 + C15</b>
Azo Dyes (Natural)	M	M	M	M	-
Determination of 4-AAB (Natural)	M	M	M	-	-
Phthalates	M	M	M	M	M
European Directive 2009/48/EC-Migration of certain elements-Category I	M	M	M	M	-

Test Parameters	Result			
<b>Chemical tests</b>	<b>C16</b>	<b>C16 + C17 + C18</b>	<b>C17</b>	<b>C18</b>
Phthalates	M	#	M	M

Test Parameters	Result			
<b>Chemical tests</b>	<b>C22 + C23</b>	<b>C24 + C25 + C26</b>	<b>C27 + C28 + C29</b>	<b>C30 + C31 + C32</b>
Phthalates	M	-	-	-
European Directive 2009/48/EC-Migration of certain elements-Category III	-	M	M	M

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 4 of 40

Test Parameters	Result			
	C33 + C12	D1	D2	D3
<b>Chemical tests</b>				
Azo Dyes (Natural)	-	M	-	M
European Directive 2009/48/EC-Migration of certain elements-Category III	M	M	M	-

Test Parameters	Result
	<b>Physical tests</b>
EN 71 Part 1:2011+A3:2014-Mechanical and Physical Test	M
EN 71 Part 2:2011-Flammability of Toys	M

Remarks	:	M = Meets client's requirement
		F = Below client's requirement
		I = Inconclusive
		* = No specified requirement
		# = For 2-composite mix with results exceeding one half of the relevant requirements or 3-composite mix with results exceeding one third of the relevant requirements, the composite sample may have the possibility of one or more components that can lead to a failure result, therefore, it is recommended to test on individual basis.
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.	

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 5 of 40

The test results relate to the tested items only.  
Test reports without SGS seal and authorized signatures are invalid.  
Reported results do not include uncertainties.  
In this Test Report tests marked (1) are included in the IAS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of IAS Accreditation.

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

Eylem Yıldızlı  
Customer Services Supervisor

Fatih Çakır  
RSTS Manager



"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.  
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 6 of 40

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

Sample No.	Sample Description	Material No.	Component	Material	Colour	Fiber Type*
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A1	Wood main	Wood	Beige	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A2	Lead main	Lead	Green	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A3	Lead main	Lead	Yellow	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A4	Lead main	Lead	Blue	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A5	Lead main	Lead	Pink	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A6	Lead main	Lead	Grey	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A7	Lead main	Lead	Gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A8	Lead main	Lead	Brown	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A9	Lead main	Lead	Purple	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A10	Allover pencil main	Coating	Green-white-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A11	Allover pencil main	Coating	Yellow - black-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A12	Allover pencil main	Coating	Blue -white-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A13	Allover pencil main	Coating	Pink - black-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A14	Allover pencil main	Coating	Grey -white-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A15	Allover pencil main	Coating	Gold -white-gold	N/A

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 7 of 40

A	PLAY-KU016 Jumbo Triangular Colour Pencils	A16	Allover pencil main	Coating	Brown -white-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A17	Allover pencil main	Coating	Purple -white-gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A18	Coating printed main	Coating	Gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A19	Coating printed main	Coating	White	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A20	Coating printed main	Coating	Black	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A21	Coating printed main	Coating	Green	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A22	Coating printed main	Coating	Yellow	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A23	Coating printed main	Coating	Blue	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A24	Coating printed main	Coating	Pink	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A25	Coating printed main	Coating	Grey	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A26	Coating printed main	Coating	Gold	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A27	Coating printed main	Coating	Brown	N/A
A	PLAY-KU016 Jumbo Triangular Colour Pencils	A28	Coating printed main	Coating	Purple	N/A
B	PLAY-KU011 Biocolor Pencils	B1	Lead main	Lead	Pink	N/A
B	PLAY-KU011 Biocolor Pencils	B2	lead main	Lead	Light Pink	N/A
B	PLAY-KU011 Biocolor Pencils	B3	lead main	Lead	Yellow	N/A
B	PLAY-KU011 Biocolor Pencils	B4	lead main	Lead	Brown	N/A
B	PLAY-KU011 Biocolor Pencils	B5	lead main	Lead	Red	N/A
B	PLAY-KU011 Biocolor Pencils	B6	lead main	Lead	Light Brown	N/A

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.  
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 8 of 40

	Pencils					
B	PLAY-KU011 Biocolor Pencils	B7	Lead main	Lead	Dark Brown	N/A
B	PLAY-KU011 Biocolor Pencils	B8	Lead main	Lead	Bourdeaux	N/A
B	PLAY-KU011 Biocolor Pencils	B9	Lead main	Lead	Orange	N/A
B	PLAY-KU011 Biocolor Pencils	B10	Lead main	Lead	Yellow	N/A
B	PLAY-KU011 Biocolor Pencils	B11	Lead main	Lead	Beige	N/A
B	PLAY-KU011 Biocolor Pencils	B12	Lead main	Lead	White	N/A
B	PLAY-KU011 Biocolor Pencils	B13	Lead main	Lead	Grey	N/A
B	PLAY-KU011 Biocolor Pencils	B14	Lead main	Lead	Dark lilac	N/A
B	PLAY-KU011 Biocolor Pencils	B15	Lead main	Lead	Dark Green	N/A
B	PLAY-KU011 Biocolor Pencils	B16	Lead main	Lead	Navy	N/A
B	PLAY-KU011 Biocolor Pencils	B17	Lead main	Lead	Green	N/A
B	PLAY-KU011 Biocolor Pencils	B18	Lead main	Lead	Light Green	N/A
B	PLAY-KU011 Biocolor Pencils	B19	Lead main	Lead	turquoise	N/A
B	PLAY-KU011 Biocolor Pencils	B20	Lead main	Lead	Purple	N/A
B	PLAY-KU011 Biocolor Pencils	B21	Lead main	Lead	Light turquoise	N/A
B	PLAY-KU011 Biocolor Pencils	B22	Lead main	Lead	Black	N/A
B	PLAY-KU011 Biocolor Pencils	B23	Lead main	Lead	Air blue	N/A
B	PLAY-KU011 Biocolor Pencils	B24	Lead main	Lead	Dark Blue	N/A
B	PLAY-KU011 Biocolor Pencils	B25	Allover dye main	Coating	Light pink-air blue-gold	N/A
B	PLAY-KU011 Biocolor Pencils	B26	allover dye main	Coating	Pink -light turquoise-gold	N/A
B	PLAY-KU011 Biocolor Pencils	B27	allover dye main	Coating	Yellow -purple-gold	N/A
B	PLAY-KU011 Biocolor Pencils	B28	allover dye main	Coating	Red -dark blue-gold	N/A
B	PLAY-KU011 Biocolor Pencils	B29	allover dye main	Coating	turquoise-light brown-gold	N/A
B	PLAY-KU011 Biocolor Pencils	B30	allover dye	Coating	brown-black-gold	N/A

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."



# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 9 of 40

			main			
B	PLAY-KU011 Bicolor Pencils	B31	allover dye main	Coating	Light green-dark brown-gold	N/A
B	PLAY-KU011 Bicolor Pencils	B32	allover dye main	Coating	Bourdeaux -green-gold	N/A
B	PLAY-KU011 Bicolor Pencils	B33	allover dye main	Coating	orange-navy-gold	N/A
B	PLAY-KU011 Bicolor Pencils	B34	allover dye main	Coating	beige-dark lilac-gold	N/A
B	PLAY-KU011 Bicolor Pencils	B35	allover dye main	Coating	dark green-yellow-gold	N/A
B	PLAY-KU011 Bicolor Pencils	B36	allover dye main	Coating	white-grey-gold	N/A
B	PLAY-KU011 Bicolor Pencils	B37	coating dye main	Coating	White	N/A
B	PLAY-KU011 Bicolor Pencils	B38	coating dye main	Coating	Grey	N/A
B	PLAY-KU011 Bicolor Pencils	B39	coating dye main	Coating	Dark Green	N/A
B	PLAY-KU011 Bicolor Pencils	B40	coating dye main	Coating	Yellow	N/A
B	PLAY-KU011 Bicolor Pencils	B41	coating dye main	Coating	Beige	N/A
B	PLAY-KU011 Bicolor Pencils	B42	coating dye main	Coating	Dark lilac	N/A
B	PLAY-KU011 Bicolor Pencils	B43	coating dye main	Coating	Orange	N/A
B	PLAY-KU011 Bicolor Pencils	B44	coating dye main	Coating	Navy	N/A
B	PLAY-KU011 Bicolor Pencils	B45	coating dye main	Coating	Green	N/A
B	PLAY-KU011 Bicolor Pencils	B46	coating dye main	Coating	Bourdeaux	N/A
B	PLAY-KU011 Bicolor Pencils	B47	coating dye main	Coating	Light Green	N/A
B	PLAY-KU011 Bicolor Pencils	B48	coating dye main	Coating	Dark Brown	N/A
B	PLAY-KU011 Bicolor Pencils	B49	coating dye main	Coating	Black	N/A
B	PLAY-KU011 Bicolor Pencils	B50	coating dye main	Coating	Brown	N/A
B	PLAY-KU011 Bicolor Pencils	B51	coating dye main	Coating	Turquoise	N/A
B	PLAY-KU011 Bicolor Pencils	B52	coating dye main	Coating	Light Brown	N/A

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 10 of 40

B	PLAY-KU011 Bicolor Pencils	B53	coating dye main	Coating	Red	N/A
B	PLAY-KU011 Bicolor Pencils	B54	coating dye main	Coating	Dark Blue	N/A
B	PLAY-KU011 Bicolor Pencils	B55	coating dye main	Coating	Yellow	N/A
B	PLAY-KU011 Bicolor Pencils	B56	coating dye main	Coating	Purple	N/A
B	PLAY-KU011 Bicolor Pencils	B57	coating dye main	Coating	Pink	N/A
B	PLAY-KU011 Bicolor Pencils	B58	coating dye main	Coating	Light turquoise	N/A
B	PLAY-KU011 Bicolor Pencils	B59	coating dye main	Coating	Light Pink	N/A
B	PLAY-KU011 Bicolor Pencils	B60	coating dye main	Coating	Air blue	N/A
C	PLAY-KU012Triangular Colour Pencils	C1	lead main	Lead	Red	N/A
C	PLAY-KU012Triangular Colour Pencils	C2	lead main	Lead	turquoise	N/A
C	PLAY-KU012Triangular Colour Pencils	C3	lead main	Lead	Light Green	N/A
C	PLAY-KU012Triangular Colour Pencils	C4	lead main	Lead	Pink	N/A
C	PLAY-KU012Triangular Colour Pencils	C5	lead main	Lead	Black	N/A
C	PLAY-KU012Triangular Colour Pencils	C6	lead main	Lead	Yellow	N/A
C	PLAY-KU012Triangular Colour Pencils	C7	lead main	Lead	Green	N/A
C	PLAY-KU012Triangular Colour Pencils	C8	lead main	Lead	Purple	N/A
C	PLAY-KU012Triangular Colour Pencils	C9	lead main	Lead	Orange	N/A
C	PLAY-KU012Triangular Colour Pencils	C10	lead main	Lead	Beige	N/A
C	PLAY-KU012Triangular Colour Pencils	C11	lead main	Lead	Navy	N/A

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 11 of 40

	Colour Pencils					
C	PLAY-KU012Triangular Colour Pencils	C12	Coating dye main	Coating	Purple	N/A
C	PLAY-KU012Triangular Colour Pencils	C13	allover dye main	Coating	Red -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C14	allover dye main	Coating	Turquoise -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C15	allover dye main	Coating	Light green-white	N/A
C	PLAY-KU012Triangular Colour Pencils	C16	allover dye main	Coating	Pink -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C17	allover dye main	Coating	Blac -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C18	allover dye main	Coating	Yellow -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C19	allover dye main	Coating	Green -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C20	allover dye main	Coating	Purple -white	N/A
C	PLAY-KU012Triangular Colour Pencils	C21	allover dye main	Coating	orange-white	N/A
C	PLAY-KU012Triangular Colour Pencils	C22	allover dye main	Coating	beige-white	N/A
C	PLAY-KU012Triangular Colour Pencils	C23	allover dye main	Coating	navy-white	N/A
C	PLAY-KU012Triangular Colour Pencils	C24	coating dye main	Coating	Red	N/A
C	PLAY-KU012Triangular Colour Pencils	C25	coating dye main	Coating	Pink	N/A
C	PLAY-KU012Triangular Colour Pencils	C26	coating dye main	Coating	Turquoise	N/A
C	PLAY-KU012Triangular Colour Pencils	C27	coating dye main	Coating	Light Green	N/A

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 12 of 40

C	PLAY-KU012Triangular Colour Pencils	C28	coating dye main	Coating	Black	N/A
C	PLAY-KU012Triangular Colour Pencils	C29	Coating dye main	Coating	Green	N/A
C	PLAY-KU012Triangular Colour Pencils	C30	coating dye main	Coating	Yellow	N/A
C	PLAY-KU012Triangular Colour Pencils	C31	Coating dye main	Coating	Beige	N/A
C	PLAY-KU012Triangular Colour Pencils	C32	Coating dye main	Coating	Orange	N/A
C	PLAY-KU012Triangular Colour Pencils	C33	Coating dye main	Coating	Navy	N/A
D	PLAY- KU010 Aquarell Color Pencils	D1	Wood main	Wood	Brown	N/A
D	PLAY- KU010 Aquarell Color Pencils	D2	Metallic part	Metal	Silver	N/A
D	PLAY- KU010 Aquarell Color Pencils	D3	Brush main	Brush	Brown	N/A

\*This fiber type identification is for the selection of azo dye testing procedure(i.e. EN 14362-1/3:2012)

**Note:**

Type A=Textile contains natural fibers only and/or regenerated fibers exclude the group of acetate.  
 Type B=Textile contains polyester fibers only  
 Type C=Textile contains man-made fibers and/or man-made blended fibers(except polyester fibers)  
 N/A:Not Applicable

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 13 of 40

## Azo Dyes (Natural)<sup>1</sup>

Test Method: With reference to BS EN 14362-1:2012 - Analysis by GC-MS/HPLC-DAD

Component	Cas No	A1	A2 +	A5 +	A8 +	B1 +	B4 +
			A3 +	A6 +		B2 +	B5 +
			A4	A7	A9	B3	B6
4-Aminobiphenyl	92-67-1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Benzidine	92-87-5	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
2-Naphthylamine	91-59-8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
o-Aminoazotoluene	97-56-3	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4-Chloroaniline	106-47-8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
p-Cresidine	120-71-8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Oxydianiline	101-80-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Thiodianiline	139-65-1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
o-Toluidine	95-53-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4-methyl-m-phenylenediamine / 2,4- Toluendiamine	95-80-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
4-aminoazobenzene	60-09-3	##	n.d.	n.d.	n.d.	##	##
O-Anisidine	90-04-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected

Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 14 of 40

## Remark:

# # The BS EN 14362-1:2012 and ISO 17234-1 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of EN 14362-3:2012 / ISO 17234-2 will be employed to verify the presence of 4-aminoazobenzene.

Max. limit specified by Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylene-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 15 of 40

## Azo Dyes (Natural)<sup>1</sup>

Test Method: With reference to BS EN 14362-1:2012 - Analysis by GC-MS/HPLC-DAD

Component	Cas No	<u>B10 +</u>	<u>B13 +</u>	<u>B16 +</u>	<u>B19 +</u>	<u>B22 +</u>
		<u>B11</u>	<u>B14 +</u>	<u>B17 +</u>	<u>B20 +</u>	<u>B23 +</u>
		<u>B15</u>	<u>B18</u>	<u>B21</u>	<u>B24</u>	
4-Aminobiphenyl	92-67-1	n.d.	n.d.	n.d.	n.d.	n.d.
Benzidine	92-87-5	n.d.	n.d.	n.d.	n.d.	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.	n.d.	n.d.	n.d.	n.d.
2-Naphthylamine	91-59-8	n.d.	n.d.	n.d.	n.d.	n.d.
o-Aminoazotoluene	97-56-3	n.d.	n.d.	n.d.	n.d.	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.	n.d.	n.d.	n.d.	n.d.
4-Chloroaniline	106-47-8	n.d.	n.d.	n.d.	n.d.	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.	n.d.	n.d.	n.d.	n.d.
p-Cresidine	120-71-8	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Oxydianiline	101-80-4	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Thiodianiline	139-65-1	n.d.	n.d.	n.d.	n.d.	n.d.
o-Toluidine	95-53-4	n.d.	n.d.	n.d.	n.d.	n.d.
4-methyl-m-phenylenediamine / 2,4- Toluendiamine	95-80-7	n.d.	n.d.	n.d.	n.d.	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.	n.d.	n.d.	n.d.	n.d.
4-aminoazobenzene	60-09-3	##	##	##	##	##
O-Anisidine	90-04-0	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected

Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 16 of 40

## Remark:

# # The BS EN 14362-1:2012 and ISO 17234-1 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of EN 14362-3:2012 / ISO 17234-2 will be employed to verify the presence of 4-aminoazobenzene

Max. limit specified by Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."



# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 17 of 40

## Azo Dyes (Natural)<sup>1</sup>

Test Method: With reference to BS EN 14362-1:2012 - Analysis by GC-MS/HPLC-DAD

Component	Cas No	<u>C1 + C2 + C3</u>	<u>C4 + C5 + C6</u>	<u>C7 + C8 + C9</u>	<u>C10 + C11</u>	<u>D1</u>
4-Aminobiphenyl	92-67-1	n.d.	n.d.	n.d.	n.d.	n.d.
Benzidine	92-87-5	n.d.	n.d.	n.d.	n.d.	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.	n.d.	n.d.	n.d.	n.d.
2-Naphthylamine	91-59-8	n.d.	n.d.	n.d.	n.d.	n.d.
o-Aminoazotoluene	97-56-3	n.d.	n.d.	n.d.	n.d.	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.	n.d.	n.d.	n.d.	n.d.
4-Chloroaniline	106-47-8	n.d.	n.d.	n.d.	n.d.	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.	n.d.	n.d.	n.d.	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.	n.d.	n.d.	n.d.	n.d.
p-Cresidine	120-71-8	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Oxydianiline	101-80-4	n.d.	n.d.	n.d.	n.d.	n.d.
4,4'-Thiodianiline	139-65-1	n.d.	n.d.	n.d.	n.d.	n.d.
o-Toluidine	95-53-4	n.d.	n.d.	n.d.	n.d.	n.d.
4-methyl-m-phenylenediamine / 2,4- Toluendiamine	95-80-7	n.d.	n.d.	n.d.	n.d.	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.	n.d.	n.d.	n.d.	n.d.
4-aminoazobenzene	60-09-3	##	##	##	n.d.	n.d.
O-Anisidine	90-04-0	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected

Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 18 of 40

Remark: # # The BS EN 14362-1:2012 and ISO 17234-1 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of EN 14362-3:2012 / ISO 17234-2 will be employed to verify the presence of 4-aminoazobenzene.

Max. limit specified by Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 19 of 40

### **Azo Dyes (Natural)<sup>1</sup>**

Test Method: With reference to BS EN 14362-1:2012 - Analysis by GC-MS/HPLC-DAD

<b>Component</b>	<b>Cas No</b>	<b>D3</b>
4-Aminobiphenyl	92-67-1	n.d.
Benzidine	92-87-5	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.
2-Naphthylamine	91-59-8	n.d.
o-Aminoazotoluene	97-56-3	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.
4-Chloroaniline	106-47-8	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.
4,4'-methylenedi-o-toluidine /		
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.
p-Cresidine	120-71-8	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.
4,4'-Oxydianiline	101-80-4	n.d.
4,4'-Thiodianiline	139-65-1	n.d.
o-Toluidine	95-53-4	n.d.
4-methyl-m-phenylenediamine / 2,4- Toluendiamine	95-80-7	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.
4-aminoazobenzene	60-09-3	n.d.
O-Anisidine	90-04-0	n.d.
	<b>Conclusion</b>	<b>Pass</b>

#### Note(s):

n.d. = not detected

Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 20 of 40

Remark: # # The BS EN 14362-1:2012 and ISO 17234-1 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of EN 14362-3:2012 / ISO 17234-2 will be employed to verify the presence of 4-aminoazobenzene.

Max. limit specified by Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylene-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

**TEST REPORT**

Job No./Report No TR606234 -1

Date:26 June 2014

Page 21 of 40

**Determination of 4-AAB (Natural)<sup>1</sup>**

Test Method: With reference to BS EN 14362-3:2012 - Analysis by GC-MS

<u>Component</u>	<u>Cas No</u>	<u>A1</u>	<u>B1 + B2 + B3</u>	<u>B4 + B5 + B6</u>
4-aminoazobenzene	60-09-3	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Note(s):

n.d. = not detected  
 Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

**Determination of 4-AAB (Natural)<sup>1</sup>**

Test Method: With reference to BS EN 14362-3:2012 - Analysis by GC-MS

<u>Component</u>	<u>Cas No</u>	<u>B10 + B11</u>	<u>B13 + B14 + B15</u>	<u>B16 + B17 + B18</u>	<u>B19 + B20 + B21</u>	<u>B22 + B23 + B24</u>	<u>C1 + C2 + C3</u>
4-aminoazobenzene	60-09-3	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Note(s):

n.d. = not detected  
 Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.  
 Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 22 of 40

## Determination of 4-AAB (Natural)<sup>1</sup>

Test Method: With reference to BS EN 14362-3:2012 - Analysis by GC-MS

<u>Component</u>	<u>Cas No</u>	<u>C4 + C5 + C6</u>	<u>C7 + C8 + C9</u>
4-aminoazobenzene	60-09-3	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected  
 Detection Limit = 5 mg/kg (for individual compound)

**Requirement by the client= 30 mg/kg**

## Phthalates<sup>1</sup>

Test Method: With reference to EN 14372:2004 - Analysis by GC-MS

<u>Component</u>	<u>Cas No</u>	<u>A2 + A3 + A4</u>	<u>A5 + A6 + A7</u>	<u>A8 + A9</u>	<u>A10 + A11 + A12</u>	<u>A13 + A14 + A15</u>	<u>A16 + A17</u>
Dibutyl Phthalate (DBP)	84-74-2	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total (DBP+BBP+DEHP)		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
Diisononyl Phthalate (DINP)	28553-12-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total (DINP+DNOP+DIDP)		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected  
 Detection Limit =

### Recommended Max. Limit=

For DBP, BBP, DEHP and DNOP: 0,003%, For DINP, DIDP: 0,01% (for individual compound)  
 0,1 % for Total (DBP+BBP+DEHP) For all childcare articles  
 0,1 % for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 23 of 40

<b>Phthalates<sup>1</sup></b>							
Test Method:	With reference to EN 14372:2004 - Analysis by GC-MS						
<b>Component</b>	<b>Cas No</b>	<b>B1 + B2 + B3</b>	<b>B4 + B5 + B6</b>	<b>B7 + B8 + B9</b>	<b>B10 + B11 + B12</b>	<b>B13 + B14 + B15</b>	<b>B16 + B17 + B18</b>
Dibutyl Phthalate (DBP)	84-74-2	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total (DBP+BBP+DEHP)		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
Diisononyl Phthalate (DINP)	28553-12-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total (DINP+DNOP+DIDP)		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Note(s):</b>							
	n.d. =	not detected					
	Detection Limit =	For DBP, BBP, DEHP and DNOP: 0,003%, For DINP, DIDP: 0,01% (for individual compound)					
<b>Recommended Max. Limit=</b>		0,1 % for Total (DBP+BBP+DEHP) For all childcare articles 0,1 % for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth					
<b>Remark:</b>		Recommended Max. limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).					

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 24 of 40

<b>Phthalates<sup>1</sup></b>					
Test Method:	With reference to EN 14372:2004 - Analysis by GC-MS				
<b>Component</b>	<b>Cas No</b>	<b>B19 + B20 + B21</b>	<b>B22 + B23 + B24</b>	<b>B25 + B26 + B27</b>	<b>B34 + B35 + B36</b>
Dibutyl Phthalate (DBP)	84-74-2	n.d.	n.d.	0,014 %	0,015 %
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.	n.d.	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.	n.d.	n.d.	n.d.
Total (DBP+BBP+DEHP)		n.d.	n.d.	0,014 %	0,015 %
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
Diisononyl Phthalate (DINP)	28553-12-0	n.d.	n.d.	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.	n.d.	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.	n.d.	n.d.	n.d.
Total (DINP+DNOP+DIDP)		n.d.	n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Note(s):</b>					
	n.d. =	not detected			
	Detection Limit =	For DBP, BBP, DEHP, DIBP and DNOP: 0,003%, For DINP, DIDP: 0,01% (for individual compound)			
<b>Recommended Max. Limit=</b>		0,1 % for Total (DBP+BBP+DEHP) For all childcare articles 0,1 % for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth			
<b>Remark:</b>		Recommended Max. limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).			

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."



# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 25 of 40

## Phthalates<sup>1</sup>

Test Method:

With reference to EN 14372:2004 - Analysis by GC-MS

<b>Component</b>	<b>Cas No</b>	<b>C1 + C2 + C3</b>	<b>C4 + C5 + C6</b>	<b>C7 + C8 + C9</b>	<b>C10 + C11</b>	<b>C13 + C14 + C15</b>	<b>C16</b>
Dibutyl Phthalate (DBP)	84-74-2	n.d.	n.d.	n.d.	n.d.	0,018 %	n.d.
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total (DBP+BBP+DEHP)		n.d.	n.d.	n.d.	n.d.	0,018 %	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
Diisononyl Phthalate (DINP)	28553-12-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total (DINP+DNOP+DIDP)		n.d.	n.d.	n.d.	n.d.	0,018 %	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected

Detection Limit =

### Recommended Max. Limit=

For DBP, BBP, DEHP and DNOP: 0,003%, For DINP, DIDP: 0,01% (for individual compound)  
0,1 % for Total (DBP+BBP+DEHP) For all childcare articles  
0,1 % for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth

### Remark:

Recommended Max. limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.  
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 26 of 40

## Phthalates<sup>1</sup>

Test Method:

With reference to EN 14372:2004 - Analysis by GC-MS

<b>Component</b>	<b>Cas No</b>	<b>C17</b>	<b>C18</b>	<b>C22 + C23</b>
Dibutyl Phthalate (DBP)	84-74-2	0,089 %	n.d.	n.d.
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.	n.d.	n.d.
Total (DBP+BBP+DEHP)		0,089 %	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
Diisononyl Phthalate (DINP)	28553-12-0	n.d.	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.	n.d.	n.d.
Total (DINP+DNOP+DIDP)		n.d.	n.d.	n.d.
	<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

n.d. = not detected

Detection Limit =

For DBP, BBP, DEHP, DIBP and DNOP: 0,003%, For DINP, DIDP: 0,01% (for individual compound)

### Recommended Max. Limit=

0,1 % for Total (DBP+BBP+DEHP) For all childcare articles  
0,1 % for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth

### Remark:

Recommended Max. limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.  
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

**TEST REPORT**

Job No./Report No TR606234 -1

Date:26 June 2014

Page 27 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category I<sup>1</sup></b>								
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-MS						
Test Item		A2 + A3 +	A5 + A6	A8 + A9	B1 + B2	B4 + B5	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
		A4	+ A7		+ B3	+ B6		
Soluble Aluminium	(Al)	397.3	401.6	557.9	215.3	ND	50	5,625
Soluble Antimony	(Sb)	ND	ND	ND	ND	ND	1	45
Soluble Arsenic	(As)	ND	ND	ND	ND	ND	0.5	3.8
Soluble Barium	(Ba)	ND	ND	ND	ND	ND	50	1,500
Soluble Boron	(B)	ND	ND	ND	ND	ND	50	1,200
Soluble Cadmium	(Cd)	ND	ND	ND	ND	ND	0.1	1.3
Soluble Chromium	(Cr)	ND	ND	ND	ND	ND	0.015	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	NC	1	37.5
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	NC	0.018	0.02
Soluble Cobalt	(Co)	ND	ND	ND	ND	ND	0.5	10.5
Soluble Copper	(Cu)	200.1	ND	ND	206.6	ND	50	622.5
		mg/kg			mg/kg			
Soluble Lead	(Pb)	ND	ND	ND	ND	ND	0.5	13.5
Soluble Manganese	(Mn)	ND	ND	ND	ND	ND	50	1,200
Soluble Mercury	(Hg)	ND	ND	ND	ND	ND	0.5	7.5
Soluble Nickel	(Ni)	ND	ND	ND	ND	ND	10	75
Soluble Selenium	(Se)	ND	ND	ND	ND	ND	5	37.5
Soluble Strontium	(Sr)	ND	ND	ND	ND	161,4	50	4,500
						mg/kg		
Soluble Tin	(Sn)	ND	ND	ND	ND	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	NC	--	0.9
Soluble Zinc	(Zn)	176.2	ND	ND	482.1	279	50	3,750
		mg/kg			mg/kg	mg/kg		
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- <sup>#</sup> Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 28 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category I<sup>1</sup></b>								
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-MS						
Test Item		<u>B7+B8+B9</u>	<u>B10 +</u>	<u>B13 +</u>	<u>B16 +</u>	<u>B19 +</u>	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
			<u>B11 +</u> <u>B12</u>	<u>B14 +</u> <u>B15</u>	<u>B17 +</u> <u>B18</u>	<u>B20 +</u> <u>B21</u>		
Soluble Aluminium	(Al)	ND	ND	ND	ND	126.3 mg/kg	50	5,625
Soluble Antimony	(Sb)	ND	ND	ND	ND	ND	1	45
Soluble Arsenic	(As)	ND	ND	ND	ND	ND	0.5	3.8
Soluble Barium	(Ba)	ND	ND	88.6 mg/kg	ND	ND	50	1,500
Soluble Boron	(B)	ND	ND	ND	ND	ND	50	1,200
Soluble Cadmium	(Cd)	ND	ND	ND	ND	ND	0.1	1.3
Soluble Chromium	(Cr)	ND	ND	ND	ND	ND	0.015	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	NC	1	37.5
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	NC	0.018	0.02
Soluble Cobalt	(Co)	ND	ND	ND	ND	ND	0.5	10.5
Soluble Copper	(Cu)	ND	ND	ND	ND	ND	50	622.5
Soluble Lead	(Pb)	ND	ND	ND	ND	ND	0.5	13.5
Soluble Manganese	(Mn)	ND	ND	ND	ND	ND	50	1,200
Soluble Mercury	(Hg)	ND	ND	ND	ND	ND	0.5	7.5
Soluble Nickel	(Ni)	ND	ND	ND	ND	ND	10	75
Soluble Selenium	(Se)	ND	ND	ND	ND	ND	5	37.5
Soluble Strontium	(Sr)	ND	ND	ND	ND	ND	50	4,500
Soluble Tin	(Sn)	ND	ND	ND	ND	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	NC	--	0.9
Soluble Zinc	(Zn)	ND	181.1 mg/kg	119.1 mg/kg	ND	ND	50	3,750
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- <sup>#</sup> Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 29 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category I<sup>1</sup></b>								
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-MS						
Test Item		B22 + B24	B23 C1 + C2 + C3	C4 + C5 + C6	C7 + C8 + C9	C10 + C11	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
		+ B24	C3	+ C6	+ C9	C11		
Soluble Aluminium	(Al)	75.6 mg/kg	122.7 mg/kg	142.6 mg/kg	ND	ND	50	5,625
Soluble Antimony	(Sb)	ND	ND	ND	ND	ND	1	45
Soluble Arsenic	(As)	ND	ND	ND	ND	ND	0.5	3.8
Soluble Barium	(Ba)	ND	ND	ND	ND	ND	50	1,500
Soluble Boron	(B)	ND	ND	ND	ND	ND	50	1,200
Soluble Cadmium	(Cd)	ND	ND	ND	ND	ND	0.1	1.3
Soluble Chromium	(Cr)	ND	ND	ND	ND	ND	0.015	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	NC	1	37.5
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	NC	0.018	0.02
Soluble Cobalt	(Co)	ND	ND	ND	ND	ND	0.5	10.5
Soluble Copper	(Cu)	80,9 mg/kg	ND	ND	ND	ND	50	622.5
Soluble Lead	(Pb)	ND	ND	ND	ND	ND	0.5	13.5
Soluble Manganese	(Mn)	ND	ND	ND	ND	ND	50	1,200
Soluble Mercury	(Hg)	ND	ND	ND	ND	ND	0.5	7.5
Soluble Nickel	(Ni)	ND	ND	ND	ND	ND	10	75
Soluble Selenium	(Se)	ND	ND	ND	ND	ND	5	37.5
Soluble Strontium	(Sr)	ND	110.5 mg/kg	ND	ND	ND	50	4,500
Soluble Tin	(Sn)	ND	ND	ND	ND	ND	0.36	15,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	NC	--	0.9
Soluble Zinc	(Zn)	278.8 mg/kg	ND	185.9 mg/kg	ND	103.9 mg/kg	50	3,750
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- # Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- ^ Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

**TEST REPORT**

Job No./Report No TR606234 -1

Date:26 June 2014

Page 30 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>2</sup></b>								
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES						
Test Item		<b>A1</b>	<b>A18 + A19 + A21</b>	<b>A20</b>	<b>A22 + A24</b>	<b>A27 + A28</b>	Reportin g Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminium	(Al)	ND	2968.6 mg/kg	62.6 mg/kg	ND	4015 mg/kg	50	70,000
Soluble Antimony	(Sb)	ND	ND	ND	ND	ND	10	560
Soluble Arsenic	(As)	ND	ND	ND	ND	ND	10	47
Soluble Barium	(Ba)	ND	ND	ND	ND	103.2 mg/kg	50	18,750
Soluble Boron	(B)	ND	ND	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	ND	ND	ND	ND	ND	5	17
Soluble Chromium	(Cr)	ND	ND	ND	ND	ND	0.15	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	NC	1	460
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	ND	ND	ND	ND	10	130
Soluble Copper	(Cu)	ND	ND	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	ND	ND	ND	ND	ND	10	160
Soluble Manganese	(Mn)	ND	ND	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	ND	ND	ND	ND	ND	10	94
Soluble Nickel	(Ni)	ND	ND	ND	ND	ND	10	930
Soluble Selenium	(Se)	ND	ND	ND	ND	ND	10	460
Soluble Strontium	(Sr)	ND	ND	ND	ND	55 mg/kg	50	56,000
Soluble Tin	(Sn)	ND	ND	ND	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	NC	--	12
Soluble Zinc	(Zn)	ND	ND	386.4 mg/kg	250.7 mg/kg	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- <sup>#</sup> Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>2</sup></b>								
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES						
Test Item		<u>B37 +</u>	<u>B40 +</u>	<u>B43 +</u>	<u>B46 +</u>	<u>B49 +</u>	Reportin g Limit (mg/kg)	Permissible Limit (mg/kg)
		<u>B38 +</u> <u>B39</u>	<u>B41 +</u> <u>B42</u>	<u>B44 +</u> <u>B45</u>	<u>B47 +</u> <u>B48</u>	<u>B50 +</u> <u>B51</u>		
Soluble Aluminium	n.d	ND	53.1 mg/kg	457.4 mg/kg	ND	89,7 mg/kg	50	70,000
Soluble Antimony	(Sb)	ND	ND	ND	ND	ND	10	560
Soluble Arsenic	(As)	ND	ND	ND	ND	ND	10	47
Soluble Barium	(Ba)	ND	ND	243.9 mg/kg	ND	ND	50	18,750
Soluble Boron	(B)	ND	ND	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	ND	ND	ND	ND	ND	5	17
Soluble Chromium	(Cr)	ND	ND	ND	ND	ND	0.15	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	NC	1	460
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	ND	ND	ND	ND	10	130
Soluble Copper	(Cu)	ND	ND	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	ND	ND	ND	ND	ND	10	160
Soluble Manganese	(Mn)	ND	ND	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	ND	ND	ND	ND	ND	10	94
Soluble Nickel	(Ni)	ND	ND	ND	ND	ND	10	930
Soluble Selenium	(Se)	ND	ND	ND	ND	ND	10	460
Soluble Strontium	(Sr)	ND	ND	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	ND	ND	ND	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	NC	--	12
Soluble Zinc	(Zn)	ND	ND	56.9 mg/kg	68,5 mg/kg	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- <sup>#</sup> Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.

- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

**TEST REPORT**

Job No./Report No TR606234 -1

Date:26 June 2014

Page 32 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>2</sup></b>								
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES						
Test Item		<b>B52+B53 +B54</b>	<b>B58 + B59 + B60</b>	<b>C24 + C25 + C26</b>	<b>C27 + C28 + C29</b>	<b>B55 + B56 + B57</b>	Reportin g Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminium	n.d	270.9 mg/kg	70.1 mg/kg	ND	ND	ND	50	70,000
Soluble Antimony	(Sb)	ND	ND	ND	ND	ND	10	560
Soluble Arsenic	(As)	ND	ND	ND	ND	ND	10	47
Soluble Barium	(Ba)	ND	ND	ND	67.8 mg/kg	ND	50	18,750
Soluble Boron	(B)	ND	ND	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	ND	ND	ND	ND	ND	5	17
Soluble Chromium	(Cr)	ND	ND	ND	ND	ND	0.15	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	NC	1	460
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	ND	ND	ND	ND	10	130
Soluble Copper	(Cu)	ND	ND	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	ND	ND	ND	ND	ND	10	160
Soluble Manganese	(Mn)	ND	ND	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	ND	ND	ND	ND	ND	10	94
Soluble Nickel	(Ni)	ND	ND	ND	ND	ND	10	930
Soluble Selenium	(Se)	ND	ND	ND	ND	ND	10	460
Soluble Strontium	(Sr)	ND	ND	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	ND	ND	ND	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	NC	--	12
Soluble Zinc	(Zn)	ND	85 mg/kg	ND	ND	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- <sup>#</sup> Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."



# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 33 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>2</sup></b>							
Test Method:	With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES						
Test Item		<b>C30+C31 +C32</b>	<b>C33+C12</b>	<b>D1</b>	<b>D2</b>	Reportin g Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminium	n.d	ND	ND	ND	1162 mg/kg	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	(Cr)	ND	ND	ND	ND	0.15	--
Soluble Chromium (III) <sup>#</sup>	(Cr (III))	NC	NC	NC	NC	1	460
Soluble Chromium (VI) <sup>#</sup>	(Cr (VI))	NC	NC	NC	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	ND	ND	ND	10	130
Soluble Copper	(Cu)	ND	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	ND	ND	ND	ND	10	160
Soluble Manganese	(Mn)	ND	ND	56.7 mg/kg	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	55.7 mg/kg	50	56,000
Soluble Tin	(Sn)	ND	ND	ND	ND	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	NC	NC	NC	NC	--	12
Soluble Zinc	(Zn)	ND	ND	56.9 mg/kg	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

Note : 1. mg/kg = milligram per kilogram

2. ND = Not Detected

3. 1% = 10000 mg/kg = 10000 ppm

4. NC=Not conducted

- <sup>#</sup> Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.

- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

# TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 34 of 40

<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>2</sup></b>				
Test Method:		With reference to EN71-3:2013. Analysis of general elements was performed by ICP-OES		
Test Item		<b>A23+A25+A26</b>	Reportin g Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminium	n.d	868,1 mg/kg	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)	0.20 mg/kg	0.15	--
Soluble Chromium (III)	(Cr (III))	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	10	130
Soluble Copper	(Cu)	ND	50	7,700
Soluble Lead	(Pb)	ND	10	160
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>	--	NC	--	12
Soluble Zinc	(Zn)	138,4 mg/kg	50	46,000
<b>Conclusion</b>		<b>Pass</b>	--	--

- Note :
1. mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 35 of 40

### European Standard on Safety of Toys\*

#### -Mechanical and Physical Properties<sup>1</sup>

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN 71 PART 1:2011+A2:2013

CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>General requirements</b>	<b>A</b>
4.1	Material (by visual assessment)	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
7	Warnings, markings and instructions for use <b>Remark 1:</b> All information should be given in the national language of country where the toy is to be sold.	See Remark 1
7.2	Toys not intended for children under 36 months. <b>Remark 2:</b> No hazard was found before and after abuse tests with reference to clause 5.	See Remark 2 (N/A)

#### -Flammability of toys<sup>1</sup>

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2:2011

CLAUSE	DESCRIPTION	RESULT
4.1	General requirements	Pass

\*Only applicable clauses were reported.

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 36 of 40

*Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC – Safety of toys*

### Summary table

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

### Not/ Note:

1) According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.

2) CE marking should be visible from outside the packaging and its height must be at least 5mm.

3) Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.

4) Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014 Page 37 of 40



CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 38 of 40



CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 39 of 40



CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

## TEST REPORT

Job No./Report No TR606234 -1

Date:26 June 2014

Page 40 of 40



\* \* \*

End of Test Report

\* \* \*

CTSL-F-5.10-1NF/01.06.2013/Rev.2

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm).

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."