

Report Number: 4010/3594/T

**Prepared for:** Flag Paints Limited  
 Springfield Road  
 Springfield Industrial Estate  
 Burnham on Crouch  
 Essex  
 CM0 8UA

**Sample described as:** **Water Based Chalk Paint (CM Pale Shade)**

**No. of samples:** 1                      **Reference number(s):** -

**Date received:** 23/09/15              **Date(s) tested:** 25/09/15-30/09/15

**Testing requested:** BS EN71 – 3      **CE Mark:** Not applicable

**Packaging:** Pot                      **Declared age range:** Not applicable

**Description of sample:** Pale blue chalk paint.



I **certify** that the above mentioned sample has been tested in accordance with the standard(s) specified below and that it complies or otherwise as follows:

<b>EN 71-3:2013+A1:2014</b>	<b>Complies</b>
-----------------------------	-----------------

Please see attached report AR-15-JR-015764-01 for report details

\_\_\_\_\_  
 Judith Russell  
 Operations Manager

  
 \_\_\_\_\_  
 Gillian Kay  
 Analytical Services Manager

Date: 06<sup>th</sup> October 2015



Subcontracted to an ILAC accredited laboratory within Eurofins  
 The reported results relate exclusively to the tested sample

**Eurofins Product Testing Services Limited**  
 Dunham House, Cross Street,  
 Sale, M33 7HH  
 Tel: +44 (0)161 868 7600  
 Fax: +44 (0)161 868 7699

**Registered Office:**  
 i54 Business Park, Valiant Way  
 Wolverhampton, WV9 5GB  
 Registration Number: 7401660  
 Vat Number: 887 1276 83

Appendix 1 to report no: AR-15-JR-015764-01

Sample no: 799-2015-00062066

Limits of element migration from accessible parts of toy material  
All figures quoted as mg soluble element per kg material

Element	B	Al	Cr(III) Cr(VI)	Mn	Co	Ni	Cu	Zn	As	Se	Sr	Cd	Sn	Organic tin	Ba	Hg	Pb	Sb
Limits Category I (dry, brittle, powder like, pliable) mg/kg	1200	5625	37,5 0,02	1200	10,5	75	622,5	3750	3,8	37,5	4500	1,3	15000	0,9	1500	7,5	13,5	45
Limits Category II (liquid, sticky) mg/kg	300	1406	9,4 0,005	300	2,6	18,8	156	938	0,9	9,4	1125	0,3	3750	0,2	375	1,9	3,4	11,3
Limits Category III (scraped-off) mg/kg	15000	70000	460 0,2	15000	130	930	7700	46000	47	460	56000	17	180000	12	18750	94	160	560
Description of sample	Results of analysis																	
A Water based chalk paint CM Pale shade Cat I <input type="checkbox"/> Cat II <input checked="" type="checkbox"/> Cat III <input type="checkbox"/>	<0,05*	0,87	total Cr <0,02*	36	0,06	<0,25*	0,49	<0,25*	<0,05*	<0,5*	70	<0,05*	<0,08*	<0,2	0,76	<0,05*	<0,05*	<0,25*

\* Limit of quantification  
Chrom (VI): Metrohm: 930 Compact IC flex

Test results and evaluation relate to the tested items only.

Limits for Germany: Lead (Pb): 90mg/kg

Tested by: CB

Date: 2015-10-05

Appendix 1 to report no: AR-15-JR-015764-01

Sample no: 799-2015-00062066

**Analytical details (EN 71-3 clause 10)**

10f Technique used: Inductively coupled plasma

10h Notes for individual sample portions -  
the following notes apply to the samples indicated and referenced above:

	Applicable samples:
Between 10 and 100mg taken:	
Sample/volume ratio exceeds 1:50:	
Base material included:	
Samples sieved:	
2M HCl added:	
6M HCl added:	
n-heptane used:	
Samples centrifuged:	
Specimens adjusted to 0.3M:	
Less than 10mg present:	
Others:	

Report Number: 4010/3595/T

**Prepared for:** Flag Paints Limited  
 Springfield Road  
 Springfield Industrial Estate  
 Burnham on Crouch  
 Essex  
 CM0 8UA

**Sample described as:** Water Based Chalk Paint (CM Mid Shade)

**No. of samples:** 1                      **Reference number(s):** -

**Date received:** 23/09/15              **Date(s) tested:** 25/09/15-30/09/15

**Testing requested:** BS EN71 – 3      **CE Mark:** Not applicable

**Packaging:** Pot                      **Declared age range:** Not applicable

**Description of sample:** Mid shade chalk paint.



I certify that the above mentioned sample has been tested in accordance with the standard(s) specified below and that it complies or otherwise as follows:

<b>EN 71-3:2013+A1:2014</b>	<b>Complies</b>
-----------------------------	-----------------

Please see attached report AR-15-JR-015765-01 for report details

\_\_\_\_\_  
 Judith Russell  
 Operations Manager

  
 \_\_\_\_\_  
 Gillian Kay  
 Analytical Services Manager

Date: 06<sup>th</sup> October 2015



Subcontracted to an ILAC accredited laboratory within Eurofins  
 The reported results relate exclusively to the tested sample

**Eurofins Product Testing Services Limited**  
 Dunham House, Cross Street,  
 Sale, M33 7HH  
 Tel: +44 (0)161 868 7600  
 Fax: +44 (0)161 868 7699

**Registered Office:**  
 i54 Business Park, Valiant Way  
 Wolverhampton, WV9 5GB  
 Registration Number: 7401660  
 Vat Number: 887 1276 83

Appendix 1 to report no: AR-15-JR-015765-01  
 Sample no: 799-2015-00062067

### JR0EP - DIN EN 71-3:2014-12 Safety of Toys - Migration of certain 19 elements

Limits of element migration from accessible parts of toy material  
 All figures quoted as mg soluble element per kg material

Element	B	Al	Cr(III) Cr(VI)	Mn	Co	Ni	Cu	Zn	As	Se	Sr	Cd	Sn	Organic tin	Ba	Hg	Pb	Sb
Limits Category I (dry, brittle, powder like, pliable) mg/kg	1200	5625	37,5 0,02	1200	10,5	75	622,5	3750	3,8	37,5	4500	1,3	15000	0,9	1500	7,5	13,5	45
Limits Category II (liquid, sticky) mg/kg	300	1406	9,4 0,005	300	2,6	18,8	156	938	0,9	9,4	1125	0,3	3750	0,2	375	1,9	3,4	11,3
Limits Category III (scraped-off) mg/kg	15000	70000	460 0,2	15000	130	930	7700	46000	47	460	56000	17	180000	12	18750	94	160	560
Description of sample	Results of analysis																	
A Water based chalk paint CM Mid shade Cat I <input type="checkbox"/> Cat II <input checked="" type="checkbox"/> Cat III <input type="checkbox"/>	<0,05*	2,1	total Cr <0,02*	37	0,1	<0,25*	0,29	<0,25*	<0,05*	<0,5*	69	<0,05*	<0,08*	<0,2	0,78	<0,05*	<0,05*	<0,25*

\* Limit of quantification  
 Chrom (VI): Metrohm: 930 Compact IC flex

Test results and evaluation relate to the tested items only.

Limits for Germany: Lead (Pb): 90mg/kg

Tested by: CB

Date: 2015-10-05

Appendix 1 to report no: AR-15-JR-015765-01

Sample no: 799-2015-00062067

**Analytical details (EN 71-3 clause 10)**

10f Technique used: Inductively coupled plasma

10h Notes for individual sample portions -  
the following notes apply to the samples indicated and referenced above:

	Applicable samples:
Between 10 and 100mg taken:	
Sample/volume ratio exceeds 1:50:	
Base material included:	
Samples sieved:	
2M HCl added:	
6M HCl added:	
n-heptane used:	
Samples centrifuged:	
Specimens adjusted to 0.3M:	
Less than 10mg present:	
Others:	

Report Number: 4010/3596/T

**Prepared for:** Flag Paints Limited  
 Springfield Road  
 Springfield Industrial Estate  
 Burnham on Crouch  
 Essex  
 CM0 8UA

**Sample described as:** **Water Based Chalk Paint (CM Red Shade)**

**No. of samples:** 1                      **Reference number(s):** -

**Date received:** 23/09/15              **Date(s) tested:** 25/09/15-30/09/15

**Testing requested:** BS EN71 – 3        **CE Mark:** Not applicable

**Packaging:** Pot                          **Declared age range:** Not applicable

**Description of sample:** Red shade chalk paint.



I **certify** that the above mentioned sample has been tested in accordance with the standard(s) specified below and that it complies or otherwise as follows:

<b>EN 71-3:2013+A1:2014</b>	<b>Complies</b>
-----------------------------	-----------------

Please see attached report AR-15-JR-015766-01 for report details

\_\_\_\_\_  
 Judith Russell  
 Operations Manager

  
 \_\_\_\_\_  
 Gillian Kay  
 Analytical Services Manager

Date: 06<sup>th</sup> October 2015



Subcontracted to an ILAC accredited laboratory within Eurofins  
 The reported results relate exclusively to the tested sample

**Eurofins Product Testing Services Limited**  
 Dunham House, Cross Street,  
 Sale, M33 7HH  
 Tel: +44 (0)161 868 7600  
 Fax: +44 (0)161 868 7699

**Registered Office:**  
 i54 Business Park, Valiant Way  
 Wolverhampton, WV9 5GB  
 Registration Number: 7401660  
 Vat Number: 887 1276 83

Appendix 1 to report no: AR-15-JR-015766-01

Sample no: 799-2015-00062068

**JR0EP - DIN EN 71-3:2014-12 Safety of Toys - Migration of certain 19 elements**

Limits of element migration from accessible parts of toy material  
All figures quoted as mg soluble element per kg material

Element	B	Al	Cr(III) Cr(VI)	Mn	Co	Ni	Cu	Zn	As	Se	Sr	Cd	Sn	Organic tin	Ba	Hg	Pb	Sb
Limits Category I (dry, brittle, powder like, pliable) mg/kg	1200	5625	37,5 0,02	1200	10,5	75	622,5	3750	3,8	37,5	4500	1,3	15000	0,9	1500	7,5	13,5	45
Limits Category II (liquid, sticky) mg/kg	300	1406	9,4 0,005	300	2,6	18,8	156	938	0,9	9,4	1125	0,3	3750	0,2	375	1,9	3,4	11,3
Limits Category III (scraped-off) mg/kg	15000	70000	460 0,2	15000	130	930	7700	46000	47	460	56000	17	180000	12	18750	94	160	560
Description of sample	Results of analysis																	
A Water based chalk paint CM Red shade Cat I <input type="checkbox"/> Cat II <input checked="" type="checkbox"/> Cat III <input type="checkbox"/>	<0,05*	2,5	total Cr <0,02*	42	0,15	<0,25*	0,33	<0,25*	<0,05*	<0,5*	66	<0,05*	<0,08*	<0,2	1,1	<0,05*	<0,05*	<0,25*

\* Limit of quantification  
Chrom (VI): Metrohm: 930 Compact IC flex

Test results and evaluation relate to the tested items only.

Limits for Germany: Lead (Pb): 90mg/kg
--

Tested by: CB

Date: 2015-10-05



Appendix 1 to report no: AR-15-JR-015766-01

Sample no: 799-2015-00062068

**Analytical details (EN 71-3 clause 10)**

10f Technique used: Inductively coupled plasma

10h Notes for individual sample portions -  
the following notes apply to the samples indicated and referenced above:

	Applicable samples:
Between 10 and 100mg taken:	
Sample/volume ratio exceeds 1:50:	
Base material included:	
Samples sieved:	
2M HCl added:	
6M HCl added:	
n-heptane used:	
Samples centrifuged:	
Specimens adjusted to 0.3M:	
Less than 10mg present:	
Others:	

Report Number: 4010/3597/T

**Prepared for:** Flag Paints Limited  
 Springfield Road  
 Springfield Industrial Estate  
 Burnham on Crouch  
 Essex  
 CM0 8UA

**Sample described as:** **Water Based Chalk Paint (CM Blue Shade)**

**No. of samples:** 1                      **Reference number(s):** -

**Date received:** 23/09/15              **Date(s) tested:** 25/09/15-30/09/15

**Testing requested:** BS EN71 – 3      **CE Mark:** Not applicable

**Packaging:** Pot                      **Declared age range:** Not applicable

**Description of sample:** Blue shade chalk paint.



I **certify** that the above mentioned sample has been tested in accordance with the standard(s) specified below and that it complies or otherwise as follows:

<b>EN 71-3:2013+A1:2014</b>	<b>Complies</b>
-----------------------------	-----------------

Please see attached report AR-15-JR-015767-01 for report details

\_\_\_\_\_  
 Judith Russell  
 Operations Manager

  
 \_\_\_\_\_  
 Gillian Kay  
 Analytical Services Manager

Date: 06<sup>th</sup> October 2015



Subcontracted to an ILAC accredited laboratory within Eurofins  
 The reported results relate exclusively to the tested sample

**Eurofins Product Testing Services Limited**  
 Dunham House, Cross Street,  
 Sale, M33 7HH  
 Tel: +44 (0)161 868 7600  
 Fax: +44 (0)161 868 7699

**Registered Office:**  
 i54 Business Park, Valiant Way  
 Wolverhampton, WV9 5GB  
 Registration Number: 7401660  
 Vat Number: 887 1276 83

Appendix 1 to report no: AR-15-JR-015767-01

Sample no: 799-2015-00062069

**JR0EP - DIN EN 71-3:2014-12 Safety of Toys - Migration of certain 19 elements**

Limits of element migration from accessible parts of toy material  
All figures quoted as mg soluble element per kg material

Element	B	Al	Cr(III) Cr(VI)	Mn	Co	Ni	Cu	Zn	As	Se	Sr	Cd	Sn	Organic tin	Ba	Hg	Pb	Sb
Limits Category I (dry, brittle, powder like, pliable) mg/kg	1200	5625	37,5 0,02	1200	10,5	75	622,5	3750	3,8	37,5	4500	1,3	15000	0,9	1500	7,5	13,5	45
Limits Category II (liquid, sticky) mg/kg	300	1406	9,4 0,005	300	2,6	18,8	156	938	0,9	9,4	1125	0,3	3750	0,2	375	1,9	3,4	11,3
Limits Category III (scraped-off) mg/kg	15000	70000	460 0,2	15000	130	930	7700	46000	47	460	56000	17	180000	12	18750	94	160	560
Description of sample	Results of analysis																	
A Water based chalk paint CM Blue shade Cat I <input type="checkbox"/> Cat II <input checked="" type="checkbox"/> Cat III <input type="checkbox"/>	<0,05*	2,1	total Cr <0,02*	38	0,12	<0,25*	0,45	4,8	<0,05*	<0,5*	67	<0,05*	<0,08*	<0,2	0,66	<0,05*	<0,05*	<0,25*

\* Limit of quantification  
Chrom (VI): Metrohm: 930 Compact IC flex

Test results and evaluation relate to the tested items only.

Limits for Germany: Lead (Pb): 90mg/kg
--

Tested by: CB

Date: 2015-10-05

Appendix 1 to report no: AR-15-JR-015767-01

Sample no: 799-2015-00062069

**Analytical details (EN 71-3 clause 10)**

10f Technique used: Inductively coupled plasma

10h Notes for individual sample portions -  
the following notes apply to the samples indicated and referenced above:

	Applicable samples:
Between 10 and 100mg taken:	
Sample/volume ratio exceeds 1:50:	
Base material included:	
Samples sieved:	
2M HCl added:	
6M HCl added:	
n-heptane used:	
Samples centrifuged:	
Specimens adjusted to 0.3M:	
Less than 10mg present:	
Others:	

Report Number: 4010/3598/T

**Prepared for:** Flag Paints Limited  
 Springfield Road  
 Springfield Industrial Estate  
 Burnham on Crouch  
 Essex  
 CM0 8UA

**Sample described as:** **Water Based Chalk Paint (CM Yellow Shade)**

**No. of samples:** 1                      **Reference number(s):** -

**Date received:** 23/09/15              **Date(s) tested:** 25/09/15-30/09/15

**Testing requested:** BS EN71 – 3      **CE Mark:** Not applicable

**Packaging:** Pot                      **Declared age range:** Not applicable

**Description of sample:** Yellow shade chalk paint.



I **certify** that the above mentioned sample has been tested in accordance with the standard(s) specified below and that it complies or otherwise as follows:

<b>EN 71-3:2013+A1:2014</b>	<b>Complies</b>
-----------------------------	-----------------

Please see attached report AR-15-JR-015768-01 for report details

\_\_\_\_\_  
 Judith Russell  
 Operations Manager

  
 \_\_\_\_\_  
 Gillian Kay  
 Analytical Services Manager

Date: 06<sup>th</sup> October 2015



Subcontracted to an ILAC accredited laboratory within Eurofins  
 The reported results relate exclusively to the tested sample

**Eurofins Product Testing Services Limited**  
 Dunham House, Cross Street,  
 Sale, M33 7HH  
 Tel: +44 (0)161 868 7600  
 Fax: +44 (0)161 868 7699

**Registered Office:**  
 i54 Business Park, Valiant Way  
 Wolverhampton, WV9 5GB  
 Registration Number: 7401660  
 Vat Number: 887 1276 83

Appendix 1 to report no: AR-15-JR-015768-01

Sample no: 799-2015-00062070

**JR0EP - DIN EN 71-3:2014-12 Safety of Toys - Migration of certain 19 elements**

Limits of element migration from accessible parts of toy material  
All figures quoted as mg soluble element per kg material

Element	B	Al	Cr(III) Cr(VI)	Mn	Co	Ni	Cu	Zn	As	Se	Sr	Cd	Sn	Organic tin	Ba	Hg	Pb	Sb
Limits Category I (dry, brittle, powder like, pliable) mg/kg	1200	5625	37,5 0,02	1200	10,5	75	622,5	3750	3,8	37,5	4500	1,3	15000	0,9	1500	7,5	13,5	45
Limits Category II (liquid, sticky) mg/kg	300	1406	9,4 0,005	300	2,6	18,8	156	938	0,9	9,4	1125	0,3	3750	0,2	375	1,9	3,4	11,3
Limits Category III (scraped-off) mg/kg	15000	70000	460 0,2	15000	130	930	7700	46000	47	460	56000	17	180000	12	18750	94	160	560
Description of sample	Results of analysis																	
A Water based chalk paint CM Yellow shade Cat I <input type="checkbox"/> Cat II <input checked="" type="checkbox"/> Cat III <input type="checkbox"/>	<0,05*	3	total Cr <0,02*	37	0,21	<0,25*	0,4	0,34	<0,05*	<0,5*	65	<0,05*	<0,08*	<0,2	1	<0,05*	<0,05*	<0,25*

\* Limit of quantification  
Chrom (VI): Metrohm: 930 Compact IC flex

Test results and evaluation relate to the tested items only.

Limits for Germany: Lead (Pb): 90mg/kg

Tested by: CB

Date: 2015-10-05

Appendix 1 to report no: AR-15-JR-015768-01

Sample no: 799-2015-00062070

**Analytical details (EN 71-3 clause 10)**

10f Technique used: Inductively coupled plasma

10h Notes for individual sample portions -  
the following notes apply to the samples indicated and referenced above:

	Applicable samples:
Between 10 and 100mg taken:	
Sample/volume ratio exceeds 1:50:	
Base material included:	
Samples sieved:	
2M HCl added:	
6M HCl added:	
n-heptane used:	
Samples centrifuged:	
Specimens adjusted to 0.3M:	
Less than 10mg present:	
Others:	