



Bureau Veritas Consumer Products Services UK Ltd

TEST REPORT

REPORT REF: ALC K : 158598 : 0414

SAMPLE RECEIVED: 24/04/2014
REPORT ISSUED: 16/05/2014

SAMPLE DESCRIPTION: Matt Lacquer containing E180

APPLICANT: Horizon Products Ltd
Unit 6 Churchill Industrial Estate
Blaydon
Tyne And Wear
NE21 5AB

EVALUATION TO: #BS EN 71-3:2013

CONCLUSION: The sample complied with the above.

Claire Francis
Manager - Toys and Juvenile Products
AUTHORISED SIGNATORY



REPORT: ALC K : 158598 : 0414

REPORT ISSUED: 16/05/2014

SUMMARY OF EXAMINATION:

INTRODUCTION:

An examination was requested to ascertain compliance with the requirements as detailed on page one of this report. Our findings were as follows:

#BS EN 71-3:2013

CLAUSE	DESCRIPTION	RESULT	* COMMENTS
4.2	Specific requirements	Pass	See note 1

* See Annex I : Notes

ANNEX I: NOTES

1 Date of test: 07/05/2014

The sample was dried prior to testing and the results were calculated using the dry mass. An ICP mass spectrometer was used for the analyses. For results refer to Annex II. It was assumed that components of a similar type and colour were of identical chemical composition.

Description of test portion and additional information (where applicable):

1 Matt Lacquer containing E180

Date of test: 15/05/2014

The results for (combined) chromium detected in component number 1 was above the limit for chromium VI (0.2mg/kg). This component was analysed using an in-house method (CPSD-AN-550 - Detection of Chromium VI by Ion Chromatography - IC-UV/Vis). The results were as follows :-

	<u>Component</u>	<u>Result mg/kg</u>
1	Matt Lacquer containing E180	< 0.03

Chromium VI limit = $\leq 0.2\text{mg/kg}$

Conclusion

It can be seen from the results that the component tested had extractable metal contents below the limits specified. The sample therefore complies with the requirements of BS EN 71-3:2013.



**BUREAU
VERITAS**

REPORT: ALC K : 158598 : 0414

REPORT ISSUED: 16/05/2014

ANNEX II : TECHNICAL DATA

Job Number	K.158598.0414
SOLUBLE MIGRATED ELEMENT IN MILLIGRAMS PER KILOGRAM	

Component Number	CAT	Al	Sb	As	Ba	B	Cd	Cr [^]	CrVI	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn ^{^^}	OrSn	Zn
1	3	<100	<1	<0.05	<100	<30	<0.05	1.60	^	0.33	<15	0.45	<30	<0.1	1.93	<0.9	<100	2.30	N/R	<90
CAT	Al	Sb	As	Ba	B	Cd	Cr	CrVI	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	OrSn	Zn	
Limit - Powder	1	5625	45	3.8	1500	1200	1.3	37.5	0.02	10.5	622.5	13.5	1200	7.5	75	37.5	4500	15000	0.9	3750
Limit -Liquid	2	1406	11.3	0.9	375	300	0.3	9.4	0.005	2.6	156	3.4	300	1.9	18.8	9.4	1125	3750	0.2	938
Limit - Scrape	3	70000	560	47	18750	15000	17	460	0.2	130	7700	160	15000	94	930	460	56000	180000	12	46000

Cr[^] All results are reported as combined Cr (Cr III and Cr VI). If the result exceeds Cr VI limits further testing is required.

Cr VI Limits -Powder like materials 0.02mg/kg / Liquid 0.005 mg/kg / Scrape 0.2 mg/kg.

Sn^{^^} All results are reported as Tin. If the sample exceeds ¹Threshold of Tin content in terms of Tributyltin (TBT)" a test for Organotin is required. (Threshold limit) - Powder like materials 0.37mg/kg / Liquid 0.08mg/kg / Scrape 4.92mg/kg.

N/R - Not required

PHOTOGRAPH

