



Bureau Veritas Consumer Products Services UK Ltd

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## TEST REPORT

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**REPORT REF:** ALC K : 158600 : 0414NM1 **SAMPLE RECEIVED:** 24/04/2014  
**REPORT ISSUED:** 20/05/2014

**SAMPLE DESCRIPTION:** Wax Polish

**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**

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This document should be read in conjunction with the attached report which has been prepared in accordance with and is subject to Bureau Veritas Consumer Products Services UK Ltd's standard Terms & Conditions. The results and conclusions only apply to the sample(s) submitted and do not guarantee the bulk of the items from which it was obtained to be of equal quality. Tests marked # are outside the scope of our UKAS accreditation.

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**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: 02/05/2014

n-Heptane was used to remove the wax from the component prior to extraction with hydrochloric acid.

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 Wax polish

The result for (combined) chromium detected in component number 1 was above the limit for chromium VI (0.005mg). Bureau Veritas GmbH Germany determined the chromium VI contents of this component and their results as reported on their Report Number (25414)135-197129 were as follows :-

	<u>Component</u>	<u>Result</u>
1	Wax polish	<0.002 mg/kg

**Chromium VI limit =  $\leq 0.005$  mg/kg**

The tin content detected in component number 1 exceeded the threshold of tin content in terms of Tributyltin (0.08mg/kg) a test for organic tin is therefore required. Bureau Veritas GmbH Germany determined the organic tin contents of this component and their results as reported on their Report Number (25414) 135-197129 were as follows :-

	<u>Component</u>	<u>Result</u>
1	Wax polish	<0.2mg/kg

**Organic tin limit = <0.2 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.



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**ANNEX II : TECHNICAL DATA**

Job Number	K.158600.0414																			
SOLUBLE MIGRATED ELEMENT IN MILLIGRAMS PER KILOGRAM																				
Component Number	CAT	Al	Sb	As	Ba	B	Cd	Cr <sup>^</sup>	CrVI	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn <sup>^^</sup>	OrSn	Zn
1	2	<100	<1	<0.05	<100	<30	<0.05	0.22	^	<0.2	<15	0.51	<30	<0.1	9.72	<0.9	<100	0.19	^^	<90
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 <sup>^</sup>	All results are reported as combined Cr (Cr III and Cr VI) . If the result exceeds Cr VI limits further testing is required.																			
Sn <sup>^^</sup>	Cr VI Limits -Powder like materials 0.02mg/kg / Liquid 0.005 mg/kg / Scrape 0.2 mg/kg.																			
N/R - Not required	All results are reported as Tin. If the sample exceeds "Threshold 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.																			

**PHOTOGRAPH**

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