

### 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.

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Claire Francis Manager - Toys and Juvenile Products AUTHORISED SIGNATORY

Page 1 of 4

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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: 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 = ≤0.2mg/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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**REPORT ISSUED:** 16/05/2014

# **ANNEX II : TECHNICAL DATA**

Job Number K.158598.0414 SOLUBLE MIGRATED ELEMENT IN MILLIGRAMS PER KILOGRAM	IGRATED E		K.158598.0414 VT IN MILLIGRA	.0414 LIGRAM	S PER KI	LOGRAM															
Component																					
Number		CAT	AI	Sb	As	Ba	В	Cd	Crv	CrVI	Со	cu	Ъb	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	Ы	sb	As	Ba	B	Cd	ბ	CrVI	ვ	5	Ч	Mn	Hg	iz	Se	Sr	Sn	OrSn	Zn
Limit - Powder	ler	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	e	с	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 ).	are re	sported a	s combi	ned Cr	(Cr III and	Cr VI ).	f the re	sult exc	seeds C	r VI lim	If the result exceeds Cr VI limits further testing is required.	ier test	ing is re	quired						
1	Cr VI Limits -Powder like materials 0.02mg/kg / Liquid 0.005 mg/kg / Scrape 0.2 mg/kg.	ts -Pov	vder like	materia	ls 0.02r	ng/kg / Li	quid 0.0	05 mg/k	<u>'g / Scra</u>	pe 0.2	mg/kg										
Sn^^	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.	are rep Thresh	orted as T old limit) -	Fin. If th€ - Powder	sample - like ma	exceeds <sup>1</sup> Iterials 0.3	Thresholi 7mg/kg /	ld of Tin content in terms of Tributyltin ( / Liquid 0.08mg/kg / Scrape 4.92mg/kg.	content .08mg/ŀ	in term. g / Scra	s of Trik 1924.92	outyltin ( 2mg/kg.	IBT)" a	test for (	Drganot	tin is					
N/R - Not required	quired																				

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Page 3 of 4



**REPORT:** 

ALC K : 158598 : 0414

REPORT ISSUED:

16/05/2014

## PHOTOGRAPH

