



Bureau Veritas Consumer Products Services UK Ltd

TEST REPORT

REPORT REF: ALC K : 155556 : 1213 **SAMPLE RECEIVED:** 05/12/2013
REPORT ISSUED: 23/12/2013

SAMPLE DESCRIPTION: Play Sand - 10 Coloured, 1 Natural **ORDER NO:** PORE005

APPLICANT: Rainbow Eco Products Ltd
Higher Whitnell Farm
Binegar
Nr Bath
Somerset

EVALUATION TO: BS EN 71-3:2013 (# Cr VI confirmation).

CONCLUSION: The sample complies with the above.

Chris Corbett - Toys & Juvenile Products Manager
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. ^A2 (clause 4.20) is 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: 10/12/13

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 Red sand
- 2 Pink sand
- 3 Blue sand
- 4 Green sand
- 5 Black sand
- 6 Orange sand
- 7 Yellow sand
- 8 Purple sand
- 9 Turquoise sand
- 10 Rainbow mix sand
- 11 Natural sand

The result for (combined) chromium detected in component number 1 to 11 inclusive, were above the limit for chromium VI (0.02mg/kg). Bureau Veritas GmbH Germany determined the chromium VI contents of these components and their results as reported on their Report Number (25413)354-177804 were as follows :-

Component	Result
1	<0.02mg/kg
2	<0.02mg/kg
3	<0.02mg/kg
4	<0.02mg/kg
5	<0.02mg/kg
6	<0.02mg/kg
7	<0.02mg/kg
8	<0.02mg/kg
9	<0.02mg/kg
10	<0.02mg/kg
11	<0.02mg/kg

Chromium VI limit = 0.02mg/kg

Conclusion

It can be seen from the attached results that the components 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:155556.1213
SOLUBLE MIGRATED ELEMENT IN MILLIGRAMS PER KILOGRAM

Component Number	CAT	Al	Sb	As	Ba	B	Cd	Cr ^A	CrVI	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn ^{AA}	OrSn	Zn
1	1	<100	<1	0.07	<100	<30	<0.05	0.03	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
2	1	<100	<1	0.06	<100	<30	<0.05	0.02	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
3	1	<100	<1	0.08	<100	<30	<0.05	0.03	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
4	1	<100	<1	0.08	<100	<30	<0.05	0.02	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
5	1	<100	<1	0.05	<100	<30	<0.05	0.01	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
6	1	<100	<1	0.08	<100	<30	<0.05	0.04	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
7	1	<100	<1	0.06	<100	<30	<0.05	0.04	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
8	1	<100	<1	0.05	<100	<30	<0.05	0.03	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
9	1	<100	<1	0.08	<100	<30	<0.05	0.04	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
10	1	<100	<1	0.05	<100	<30	<0.05	0.02	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
11	1	<100	<1	<0.05	<100	<30	<0.05	0.02	^	<0.2	<15	<0.3	<30	<0.1	<1	<0.9	<100	<0.04	N/R	<90
Limit - Powder	CAT	Al	Sb	As	Ba	B	Cd	Cr	CrVI	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	OrSn	Zn
Limit - Liquid	1	5625	45	3.8	1500	1200	1.3	37.5	0.02	10.5	6225	13.5	1200	7.5	75	37.5	4500	15000	0.9	3750
Limit - Scrape	2	1406	11.3	0.9	375	300	0.3	9.4	0.005	2.5	156	3.4	300	1.9	18.8	9.4	1125	3750	0.2	938
	3	70000	560	47	18750	15000	17	460	0.2	130	7700	160	15000	94	930	460	56000	130000	12	46000

Cr^A 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^{AA} 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.

N/R - Not required



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PHOTOGRAPH

