



**Test Report**

ID: RA0000893(9)

Date: 2012-10-26

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Application ID : JA0000740(0)  
Applicant : Super Duper Publications  
5201 Pelham Road, Greenville, SC 29651

Sample : Four (4) styles of submitted sample(s) stated to be:  
Item Name : Ring Bling (hands, bases, rings)

Date of Receiving : 2012-10-16  
Testing Period : 2012-10-23 to 2012-10-26

TEST REQUEST	RESULT
A) AS REQUESTED BY THE APPLICANT, TO DETERMINE THE CADMIUM CONTENT IN THE SUBMITTED SAMPLE(S) IN ACCORDANCE WITH ANNEX XVII ITEM 23 OF THE REACH REGULATION (EC) NO. 1907/2006 AND ITS AMENDMENTS (FORMERLY KNOWN AS DIRECTIVE 91/338/EEC).	PASS
B) AS REQUESTED BY APPLICANT, TO DETERMINE SOLUBLE ELEMENTS CONTENT IN THE SUBMITTED SAMPLE(S) IN ACCORDANCE WITH THE EUROPEAN STANDARD ON SAFETY OF TOYS, BS EN 71 PART 3:1995 - MIGRATION OF CERTAIN ELEMENTS.	PASS
C) AS REQUESTED BY THE APPLICANT, TO DETERMINE LEAD, CADMIUM, MERCURY AND HEXAVALENT CHROMIUM CONTENT IN THE SUBMITTED SAMPLE(S) IN ACCORDANCE WITH EUROPEAN COUNCIL DIRECTIVE 94/62/EC AND ITS AMENDMENT 2004/12/EC & 2005/20/EC.	PASS

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

SIGN FOR AND ON BEHALF OF  
UNITEC LABORATORY SERVICES (DONGGUAN) LTD.

TC WONG  
LABORATORY DIRECTOR



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Test Results:
**A) REACH Annex XVII - Cadmium Content**

With reference to EN1122: 2001 method B.

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item		Cadmium Content (Cd)	---
Method Detection Limit(mg/kg)		2	---
Permissible Limit (mg/kg)		100	---
Test Part Description		Result (mg/kg)	Comment
No.1	Multi-color coating on plastic (hands)* Multi-color coating on plastic (base)* Black coating on plastic (mark)*	ND	Pass
No.2	Black/white coating on plastic (ring) Silver coating on plastic (ring) Multi-color coating on paper (ring)	ND	Pass
No.3	Red plastic excluded coating (hand/base) Purple plastic excluded coating (hand/base) Blue plastic excluded coating (hand/base)	ND	Pass
No.4	Green plastic excluded coating (hand/base) Yellow hard plastic excluded coating (ring) Green hard plastic excluded coating (ring)	ND	Pass
No.5	Orange hard plastic excluded coating (ring) Blue hard plastic excluded coating (ring) Red hard plastic excluded coating (ring)	ND	Pass
No.6	Orange soft plastic excluded coating (ring) Yellow soft plastic excluded coating (ring) Red soft plastic excluded coating (ring)	ND	Pass
No.7	Blue soft plastic excluded coating (ring) Black soft plastic excluded coating (ring) Green soft plastic excluded coating (ring)	ND	Pass
No.8	Transparent green plastic (ring) Transparent blue plastic (ring) Transparent yellow plastic (ring)	ND	Pass
No.9	Transparent purple plastic (ring)	ND	Pass

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- Note:
1. mg/kg = Milligram per kilogram = ppm
  2. ND = Not detected (< Method detection limit)
  3. \* = Wet paint has been tested by client provided.

**B) BS EN 71 Part 3:1995 - Migration of certain elements content**

Sample was extracted by dilute hydrochloric acid in accordance with BS EN 71 Part 3:1995.

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Cd	Pb	Hg	Cr	As	Sb	Se	Ba	---
Method Detection Limit(mg/kg)	5	5	2	5	2	2	5	5	---
Permissible Limit(mg/kg)	75	90	60	60	25	60	500	1000	---
Test Part Description	Result (mg/kg)								Comment
No.1 Multi-color coating on plastic (hands)	ND	47.7	ND	9.9	ND	ND	ND	285.0	Pass
No.2 Multi-color coating on plastic (base)	ND	8.1	ND	ND	ND	ND	ND	16.7	Pass
No.3 Black coating on plastic (mark)*	---	---	---	---	---	---	---	---	---
No.4 Black/white coating on plastic (ring)*	---	---	---	---	---	---	---	---	---
No.5 Silver coating on plastic (ring)	ND	ND	ND	ND	ND	ND	ND	6.9	Pass
No.6 Multi-color coating on paper (ring)	ND	ND	ND	ND	ND	ND	ND	6.9	Pass
No.7 Red plastic excluded coating (hand/base)	ND	ND	ND	ND	ND	ND	ND	ND	Pass
No.8 Purple plastic excluded coating (hand/base)	ND	ND	ND	ND	ND	ND	ND	ND	Pass
No.9 Blue plastic excluded coating (hand/base)	ND	ND	ND	ND	ND	ND	ND	ND	Pass
No.10 Green plastic excluded coating (hand/base)	ND	ND	ND	ND	ND	ND	ND	ND	Pass
No.11 Yellow hard plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	ND	Pass
No.12 Green hard plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	ND	Pass

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Test Item	Cd	Pb	Hg	Cr	As	Sb	Se	Ba	---
Method Detection Limit(mg/kg)	5	5	2	5	2	2	5	5	---
Permissible Limit(mg/kg)	75	90	60	60	25	60	500	1000	---
Test Part Description	Result (mg/kg)								Comment
No.13	Orange hard plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.14	Blue hard plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.15	Red hard plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.16	Orange soft plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.17	Yellow soft plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.18	Red soft plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.19	Blue soft plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.20	Black soft plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.21	Green soft plastic excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.22	Transparent green plastic (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.23	Transparent blue plastic (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.24	Transparent yellow plastic (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.25	Transparent purple plastic (ring)	ND	ND	ND	ND	ND	ND	ND	Pass
No.26	Sticker excluded coating (ring)	ND	ND	ND	ND	ND	ND	ND	Pass

- Note:
1. mg/kg=ppm
  2. N.D. = Not detected (<Method Detection Limit)
  3. Results of soluble elements shown are of the adjusted analytical results.
  4. \* = According to BS EN 71 Part 3:1995, test portions where less than 10 mg of material available were not tested for soluble elements.

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**C) Toxic Elements in Packaging Materials**

Wet acid digestion and EPA 3060A:1996.

Analysis was performed by Inductively Coupled Plasma Optima Emission Spectrometer (ICP-OES) and UV-VIS Spectrophotometer.

Test Item		Cd	Pb	Hg	Cr(VI)	Total [Pb + Cd + Hg + Cr(VI)]	---
Permissible Limit (mg/kg)		-	-	-	-	100	---
Test Part Description		Result (mg/kg)					Comment
No.1	Transparent polybag	<2	<2	<2	<2	<8	Pass
No.2	Sticker with black coating	<2	<2	<2	<2	<8	Pass

- Note:
1. mg/kg = Milligram per kilogram = ppm
  3. "-" = Not regulated

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Sample Photos:



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Sample Photos:



\*\*\* End of Report \*\*\*