

Hong Kong Government Recognized Service Supplier  
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute  
American Society for Testing and Materials  
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

## Test Report

Number: HKGH01065214

Applicant: FACE ART INDUSTRIAL LIMITED  
UNITS D-F 19/F MAI LUEN IND BLDG  
23-31 KUNG YIP ST  
KWAI CHUNG NT  
HK  
Attn: CHERRY LAM

Date: Sep 28, 2010

### Sample Description:

Six (6) submitted samples said to be **face (body) crayon (colorator)** in :

- (1) Yellow
- (2) Purple
- (3) Green
- (4) Blue
- (5) Orange
- (6) Red

### Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

**THIS REPORT IS FOR  
REFERENCE ONLY,  
NOT FOR CUSTOMS PURPOSE.**

To be continued

For and on behalf of :  
Intertek Testing Services HK Ltd.



Karen S.C. Ng  
General Manager



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**Conclusion:**

Tested Samples  
Submitted samples

Standard  
U.S. ASTM F963-08 for toxic elements test

Result  
See Comment

EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002  
for toxic elements test Pass

Australian / New Zealand Standard AS/NZS ISO 8124-  
3:2003 for toxic elements test Pass  
(Australian Trade Practice Act 1974 with Consumer  
Protection Notice no. 1, 2009 - Consumer Product Safety  
Standard for Lead and certain elements in children's toys.)

U.S. Consumer Product Safety Improvement Act 2008  
Title I Section 101 for total Lead content in non-surface  
coating materials (substrate) Pass

U.S. Consumer Product Safety Commission-guidance for  
total Lead content Pass

**Comment:**

The testing scope of the standard was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

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For and on behalf of :  
Intertek Testing Services HK Ltd.

Karen S.C. Ng  
General Manager



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**Tests Conducted**

**1 Toxic Elements Analysis**

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08, acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

|                    | Result in ppm |      |      |      |      |      | Limit<br>ppm |
|--------------------|---------------|------|------|------|------|------|--------------|
|                    | (1)           | (2)  | (3)  | (4)  | (5)  | (6)  |              |
| Total Lead (Pb)    | <10           | <10  | <10  | <10  | <10  | <10  | 90           |
| Sol. Barium (Ba)   | <5            | 408  | <5   | <5   | <5   | <5   | 1000         |
| Sol. Lead (Pb)     | <5            | <5   | <5   | <5   | <5   | <5   | 90           |
| Sol. Cadmium (Cd)  | <5            | <5   | <5   | <5   | <5   | <5   | 75           |
| Sol. Antimony (Sb) | <5            | <5   | <5   | <5   | <5   | <5   | 60           |
| Sol. Selenium (Se) | <5            | <5   | <5   | <5   | <5   | <5   | 500          |
| Sol. Chromium (Cr) | <5            | <5   | <5   | <5   | <5   | <5   | 60           |
| Sol. Mercury (Hg)  | <5            | <5   | <5   | <5   | <5   | <5   | 60           |
| Sol. Arsenic (As)  | <2.5          | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 25           |

Sol. = Soluble  
< = Less than  
ppm = parts per million

Date sample received : Sep 20, 2010  
Testing period : Sep 20, 2010 to Sep 26, 2010

**2 Toxic Elements Analysis**

As per European Standard on Safety of toys EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002, acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

|                    | Result in mg/kg |      |      |      |      |      | Limit<br>mg/kg |
|--------------------|-----------------|------|------|------|------|------|----------------|
|                    | (1)             | (2)  | (3)  | (4)  | (5)  | (6)  |                |
| Sol. Barium (Ba)   | <5              | 464  | <5   | <5   | <5   | <5   | 1000           |
| Sol. Lead (Pb)     | <5              | <5   | <5   | <5   | <5   | <5   | 90             |
| Sol. Cadmium (Cd)  | <5              | <5   | <5   | <5   | <5   | <5   | 75             |
| Sol. Antimony (Sb) | <5              | <5   | <5   | <5   | <5   | <5   | 60             |
| Sol. Selenium (Se) | <5              | <5   | <5   | <5   | <5   | <5   | 500            |
| Sol. Chromium (Cr) | <5              | <5   | <5   | <5   | <5   | <5   | 60             |
| Sol. Mercury (Hg)  | <5              | <5   | <5   | <5   | <5   | <5   | 60             |
| Sol. Arsenic (As)  | <2.5            | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 25             |

Sol. = Soluble  
< = Less than  
mg/kg = milligram per kilogram

Date sample received : Sep 20, 2010  
Testing period : Sep 20, 2010 to Sep 26, 2010

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Tests Conducted

3 Toxic Elements Analysis

As per the Australian / New Zealand Standard AS/NZS ISO 8124-3:2003, acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

|                    | Result in mg/kg |      |      |      |      |      | Limit<br>mg/kg |
|--------------------|-----------------|------|------|------|------|------|----------------|
|                    | (1)             | (2)  | (3)  | (4)  | (5)  | (6)  |                |
| Sol. Barium (Ba)   | <5              | 464  | <5   | <5   | <5   | <5   | 1000           |
| Sol. Lead (Pb)     | <5              | <5   | <5   | <5   | <5   | <5   | 90             |
| Sol. Cadmium (Cd)  | <5              | <5   | <5   | <5   | <5   | <5   | 75             |
| Sol. Antimony (Sb) | <5              | <5   | <5   | <5   | <5   | <5   | 60             |
| Sol. Selenium (Se) | <5              | <5   | <5   | <5   | <5   | <5   | 500            |
| Sol. Chromium (Cr) | <5              | <5   | <5   | <5   | <5   | <5   | 60             |
| Sol. Mercury (Hg)  | <5              | <5   | <5   | <5   | <5   | <5   | 60             |
| Sol. Arsenic (As)  | <2.5            | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 25             |

Sol. = Soluble  
< = Less than  
mg/kg = milligram per kilogram

Remark : The solvent, (n-Heptane) was used for removing wax from samples (1) to (6).

Date sample received : Sep 20, 2010

Testing period : Sep 20, 2010 to Sep 26, 2010

4 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.1 and/or CPSC-CH-E1001-08.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

| Tested Component | Result in ppm | Limit in ppm |
|------------------|---------------|--------------|
| (1)              | <10           | 300          |
| (2)              | <10           | 300          |
| (3)              | <10           | 300          |
| (4)              | <10           | 300          |
| (5)              | <10           | 300          |
| (6)              | <10           | 300          |

As of August 14, 2011, the limit for total Lead content will be lowered to 100 ppm unless the CPSC determines that a limit of 100 ppm is not technologically feasible for a product or product category.

ppm = parts per million  
< = Less than

Date sample received : Sep 20, 2010

Testing period : Sep 20, 2010 to Sep 26, 2010



**Test Report**

Number: HKGH01065214

Tests Conducted

5 Total Lead (Pb) Content (Crayon, Chalk and Fingerpaint)

With reference to the guidance from the U.S. Consumer Product Safety Commission, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

| <u>Tested Component</u> | <u>Result in %</u> | <u>Guidance Value</u> |
|-------------------------|--------------------|-----------------------|
| (1)                     | <0.001             | 0.01%                 |
| (2)                     | <0.001             | 0.01%                 |
| (3)                     | <0.001             | 0.01%                 |
| (4)                     | <0.001             | 0.01%                 |
| (5)                     | <0.001             | 0.01%                 |
| (6)                     | <0.001             | 0.01%                 |

< = Less than

Date sample received : Sep 20, 2010

Testing period : Sep 20, 2010 to Sep 23, 2010

End of report

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