



## Test Report

No.: HKHL1412094089TA

Date: JAN 23, 2015

Page 1 of 3

NAN MEE INDUSTRY CO., LTD  
1121 MOO 6, TEPARUKSA ROAD, T.TEPARAKSA,  
A.MUANG SAMUTHPRAKARN,10270,THAILAND

The following sample was submitted and identified by the client as HORSE BRAND WHITEBOARD MARKER AND REFILL INK (1 formulation and 9 additional colors).

Net Weight : 4 G PER MARKER PEN; 23 G PER 28CC REFILL; 26 G PER 30CC REFILL  
SGS Case No. : HKHL141200069557  
Manufacturer : NAN MEE INDUSTRY CO., LTD  
Manufacturer Address : 1121 MOO 6, TEPARUKSA ROAD, T.TEPARAKSA,  
A.MUANG SAMUTHPRAKARN,10270,THAILAND  
Sample Receiving Information : FORMULATION WITH CHEMICAL NAME, CAS NO. AND PERCENTAGE  
Country of Origin : THAILAND  
Country of Destination : UNITED STATES, GERMANY , EUROPE AND ASIA  
Sample Receiving Date : DEC 15, 2014  
Last Information Date : JAN 20, 2015  
Test Period : DEC 15, 2014 TO JAN 23,2015

### Test Requested

For compliance with Labeling of Hazardous Art Materials Act (LHAMA) and the criteria outlined in ASTM D-4236.

### Test Results

Please refer to the following pages.

### Conclusion

The submitted samples comply with *Labeling of Hazardous Art Materials Act (LHAMA)* provided that the following labeling practice (*see page 2*) has been indicated on the product label.

Signed for and on behalf of  
SGS Hong Kong Ltd.

Mei-Yin CHIU, SONDY  
BSc, MSc, MSB, CBiol, ERT, DABT  
Diplomate American Board of Toxicology  
EUROTOX Registered Toxicologist

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



**TEST RESULTS:**

The formulations of HORSE BRAND WHITEBOARD MARKER AND REFILL INK – Whiteboard marker ink WB600.11 in Black A, Blue B, Red C, Green D, Orange E, Yellow F, Brown G, Victoria Blue P, Purple T and Rose Pink X are reviewed according to the US Consumer Product Safety Commission's guideline at 16 CFR 1500.135 and the criteria outlined in ASTM D-4236.

In this review the available data, including the relevant data from the National Toxicology Program (**NTP**), International Agencies for Research on Cancer (**IARC**) and other sources in the National Library of Medicine Data Bank were considered to assess the need for chronic health hazard warning. The carcinogenicity, reproductive hazard, neurotoxicity, bioavailability and potential exposures were also considered and in the absence of specific data, a reasonable judgment was made to assure a realistic assessment of the hazard on the ultimate art material package.

The review is based only on the submitted formula. According to the client's needs and to protect business secrecy, detailed formulations are NOT presented in this report, whereas they are recorded in the SGS Archives. In case of medical events, it is the client's responsibility to provide the formulations to a patient's physician, or SGS upon request may furnish relevant medical units, on a confidential basis, information necessary to diagnose or treat cases of exposure without prior written authorization. The ingredients used shall fulfill corresponding purity requirements. The polymer (if present) is assumed to be well-cured and the ingredients in this product are assumed to contain no contaminants or residues at level that would cause chronic toxicity among users when used for its intended purpose. If there is any alteration to this formula or if heavy metal contamination such as lead is detected in this product, it will void this certification.

The marker is a porous-tip ink-marking device so that the marker ink is expected to be released at a sustained and slow rate through the porous writing nib. However, massive leakage might be possible especially when the consumers refill the marker ink.

The product is intended for adults for writing, drawing and coloring on whiteboards. None of the ingredients at a level found in this product is expected to pose any significant chronic adverse health effects in consumers with customary use. Taking into account this information it is considered that, in the present state of knowledge, the submitted formulations put on the market are unlikely to cause chronic toxicity among users, when used as intended or reasonable foreseeable misuse.

**Labeling Practice:**

The following parameters should be indicated on the product label conspicuously and legibly.

**CONFORMS TO ASTM D-4236**

WARNING: Flammable. Keep away from heat, sparks and naked flames.

Use with adequate ventilation. Avoid inhalation.

Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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The validity of this review depends on the validity of disclosure by both the manufacturer of the components and that of the finished products. In addition, best professional capabilities are used in performing this review and if the client wishes to use this opinion with any alterations to the submitted formula, SGS (HK) Ltd. or any of its employees will not be held reliable for any injury or damage resulting from this product. This review will need to be updated **every five years** or upon reformulation or upon change of new significant safety information. In addition, the submitted sample should also be in compliance with US CPSC additional guidelines in all respects.

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Only the Whiteboard marker ink WB600.11 in Black A, Blue B, Red C, Green D, Orange E, Yellow F, Brown G, Victoria Blue P, Purple T and Rose Pink X is assessed in this report



SGS authenticate the photo on original report only

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

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Test Report No. 2519195

Date : 2-Aug-2013

Page 1 of 3

Client : Nan Mee Industry Co., Ltd.  
 1121 Moo 6 Teparuksa Road  
 T. Teparuksa, A. Muang Samutprakarn 10270 Thailand

The following sample(s) was/were submitted and identified by client as:

Sample Description : WHITE BOARD PEN INK COLOR GREEN  
 Sample No. : 2597779  
 Sample Condition : Sample is contained in a plastic bag.  
 Quantity Submitted : 3 pcs  
 Manufacturer/Vendor : Nan Mee Industry Co., Ltd.

Sample Receiving Date : 29-Jul-2013  
 Testing Period : 29-Jul-2013 to 2-Aug-2013

Test Results : Please see the attached sheet.

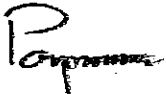
**Test Requested & Result Summary**

Test Requested :  
 As specified by client, selected parts of the submitted sample for compliance with the European Standard on Safety of Toys :-  
 - EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements

Result Summary :	
Test Parameter	Conclusion
- EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements	PASS

Remark : Test results in this report are applicable for the item tested and reflects the tested sample as received

Signed for and on behalf of  
 SGS (Thailand) Limited



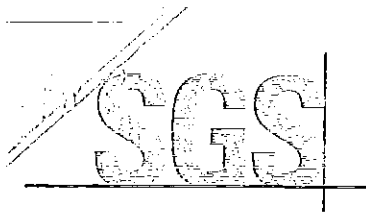
Pornpana Lirathpong  
 Hardlines Testing Manager

2220908

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**WARNING:** The sample(s) to which the findings recorded herein (the "Findings") relate was/were drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.



Test Report No. 2519195

Date : 2-Aug-2013

Page 2 of 3

TEST RESULTS

EN 71 Part 3: 1994 + A1 : 2000 + AC: 2002 - Migration of certain elements

CHEMICAL ANALYSIS - Heavy metal content in the submitted samples were determined by inductively coupled argon plasma spectrometry

Sample (1) Green ink from marker paint

Analysis		Results (mg/kg) Sample (1)	Limit (mg/kg)
Chromium (Cr)	(Soluble)	<3.5	60
Cadmium (Cd)	(Soluble)	<3.5	75
Barium (Ba)	(Soluble)	<3.5	1000
Mercury (Hg)	(Soluble)	<2.5	60
Arsenic (As)	(Soluble)	<6	25
Selenium (Se)	(Soluble)	<6	500
Antimony (Sb)	(Soluble)	<6	60
Lead (Pb)	(Soluble)	<3.5	90
Conclusion		PASS	

- Remark : 1. Results shown are based on the total weight of dry sample.  
 2. Results shown are adjusted analytical results.  
 3. < = Less than  
 4. 1 mg/kg = 1 ppm (part per million) = 0.0001 %

"Test(s) marked \* on this Report are not included in the TISI Accreditation Scope for our Laboratory"

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Test Report No. 2519196

Date : 2-Aug-2013

Page 1 of 3

Client : Nan Mee Industry Co., Ltd.  
1121 Moo 6 Teparuksa Road  
T. Teparuksa, A. Muang Samutprakarn 10270 Thailand

The following sample(s) was/were submitted and identified by client as:

Sample Description : WHITE BOARD PEN INK COLOR BLUE  
Sample No. : 2597777  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 3 pcs  
Manufacturer/Vendor : Nan Mee Industry Co., Ltd.

Sample Receiving Date : 29-Jul-2013  
Testing Period : 29-Jul-2013 to 2-Aug-2013

Test Results : Please see the attached sheet.

Test Requested & Result Summary

Test Requested :

As specified by client, selected parts of the submitted sample for compliance with the European Standard on Safety of Toys :-  
- EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements

Result Summary :

Test Parameter	Conclusion
- EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements	PASS

Remark : Test results in this report are applicable for the item tested and reflects the tested sample as received

Signed for and on behalf of  
SGS (Thailand) Limited

Pornpana Lirathpong  
Hardlines Testing Manager

2220909

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SGS (THAILAND) LIMITED  
1111/1111



TESTING  
No.0013

Test Report No. 2519196

Date : 2-Aug-2013

Page 2 of 3

TEST RESULTS

EN 71 Part 3: 1994 + A1 : 2000 + AC: 2002 - Migration of certain elements

CHEMICAL ANALYSIS - Heavy metal content in the submitted samples were determined by inductively coupled argon plasma spectrometry

Sample (1) Blue ink from marker paint

Analysis		Results (mg/kg) Sample (1)	Limit (mg/kg)
Chromium (Cr)	(Soluble)	<3.5	60
Cadmium (Cd)	(Soluble)	<3.5	75
Barium (Ba)	(Soluble)	<3.5	1000
Mercury (Hg)	(Soluble)	<2.5	60
Arsenic (As)	(Soluble)	<6	25
Selenium (Se)	(Soluble)	<6	500
Antimony (Sb)	(Soluble)	<6	60
Lead (Pb)	(Soluble)	<3.5	90
Conclusion		PASS	

Remark : 1. Results shown are based on the total weight of dry sample.

2. Results shown are adjusted analytical results.

3. < = Less than

4. 1 mg/kg = 1 ppm (part per million) = 0.0001 %

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Test Report No. : 2519197

Date : 2-Aug-2013

Page 1 of 3

Client : Nan Mee Industry Co., Ltd.  
1121 Moo 6 Teparuksa Road  
T. Teparuksa, A. Muang Samutprakarn 10270 Thailand

The following sample(s) was/were submitted and identified by client as:

Sample Description : WHITE BOARD PEN INK COLOR RED  
Sample No. : 2597775  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 3 pcs  
Manufacturer/Vendor : Nan Mee Industry Co., Ltd.

Sample Receiving Date : 29-Jul-2013  
Testing Period : 29-Jul-2013 to 2-Aug-2013

Test Results : Please see the attached sheet.

Test Requested & Result Summary

Test Requested :  
As specified by client, selected parts of the submitted sample for compliance with the European Standard on Safety of Toys :-  
- EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements

Result Summary :  
Test Parameter : - EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements  
Conclusion : PASS

Remark : Test results in this report are applicable for the item tested and reflects the tested sample as received

Signed for and on behalf of  
SGS (Thailand) Limited

Pornpana Lirathpong  
Hardlines Testing Manager

2220910

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Test Report No. 2519197

Date : 2-Aug-2013

Page 2 of 3

TEST RESULTS

EN 71 Part 3: 1994 + A1 : 2000 + AC: 2002 - Migration of certain elements

CHEMICAL ANALYSIS - Heavy metal content in the submitted samples were determined by inductively coupled argon plasma spectrometry

Sample (1) Red ink from marker paint

Analysis		Results (mg/kg) Sample (1)	Limit (mg/kg)
Chromium (Cr)	(Soluble)	<3.5	60
Cadmium (Cd)	(Soluble)	<3.5	75
Barium (Ba)	(Soluble)	30.6	1000
Mercury (Hg)	(Soluble)	<2.5	60
Arsenic (As)	(Soluble)	<6	25
Selenium (Se)	(Soluble)	<6	500
Antimony (Sb)	(Soluble)	<6	60
Lead (Pb)	(Soluble)	<3.5	90
Conclusion		PASS	

- Remark : 1. Results shown are based on the total weight of dry sample.  
 2. Results shown are adjusted analytical results.  
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 4. 1 mg/kg = 1 ppm (part per million) = 0.0001 %

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Test Report No. : 2519198

Date : 2-Aug-2013

Page 1 of 3

Client : Nan Mee Industry Co., Ltd.  
1121 Moo 6 Teparuksa Road  
T. Teparuksa, A. Muang Samutprakarn 10270 Thailand

The following sample(s) was/were submitted and identified by client as:

Sample Description : WHITE BOARD PEN INK COLOR BLACK  
Sample No. : 2597776  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 3 pcs  
Manufacturer/Vendor : Nan Mee Industry Co., Ltd.

Sample Receiving Date : 29-Jul-2013  
Testing Period : 29-Jul-2013 to 2-Aug-2013

Test Results : Please see the attached sheet.

### Test Requested & Result Summary

Test Requested :

As specified by client, selected parts of the submitted sample for compliance with the European Standard on Safety of Toys :-  
- EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements

Result Summary :

Test Parameter	Conclusion
- EN71 Part 3:1994 + A1:2000 + AC:2002 -Migration of certain elements	PASS

Remark : Test results in this report are applicable for the item tested and reflects the tested sample as received

Signed for and on behalf of  
SGS (Thailand) Limited

Pornpana Lirathpong  
Hardlines Testing Manager

2220911

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Test Report No. 2519198

Date : 2-Aug-2013

Page 2 of 3

**TEST RESULTS**

**EN 71 Part 3: 1994 + A1 : 2000 + AC: 2002 - Migration of certain elements**

CHEMICAL ANALYSIS - Heavy metal content in the submitted samples were determined by inductively coupled argon plasma spectrometry

Sample (1) Black ink from marker paint

Analysis		Results (mg/kg) Sample (1)	Limit (mg/kg)
Chromium (Cr)	(Soluble)	<3.5	60
Cadmium (Cd)	(Soluble)	<3.5	75
Barium (Ba)	(Soluble)	<3.5	1000
Mercury (Hg)	(Soluble)	<2.5	60
Arsenic (As)	(Soluble)	<6	25
Selenium (Se)	(Soluble)	<6	500
Antimony (Sb)	(Soluble)	<6	60
Lead (Pb)	(Soluble)	<3.5	90
Conclusion		PASS	

- Remark : 1. Results shown are based on the total weight of dry sample.  
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