



TEST REPORT

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Report Number: CA-10-02524

LAB LOCATION: SHANGHAI **REPORT NUMBER:** CA-10-02524
DATE IN: 22-Jun-10 **DATE OUT:** 25-Jun-10

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Copy To:	/		

Sample Information



Sample Description:	Color lead Pencils (36 Color)
Age Grade:	Not for less than 3 years
Purchase Order Number:	/
Color:	36 colors
Country of Origin:	Pakistan
Country of Destination:	/
Vendor/ Agent:	/
Manufacturer:	/

TEST RESULT SUMMARY

Test Requested	Results
Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101	PASS
Lead in Crayons and Art Supplies – US CPSC	PASS
Toxics in Packaging – Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)	PASS

For and on behalf of

Modern Testing Services Co., Ltd.

Dr. Yue Tao, Richard
Laboratory Director

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TEST SUMMARY:

Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101

Test Item	Classification	Result (ppm)	Limit (ppm) (Note 3)	Conclusion
1	Paint or similar surface coating	<25	90	PASS
2	Paint or similar surface coating	<25	90	PASS
3	Paint or similar surface coating	28	90	PASS
4	Paint or similar surface coating	<25	90	PASS
5	Paint or similar surface coating	<25	90	PASS
6	Paint or similar surface coating	<25	90	PASS
7	Paint or similar surface coating	<25	90	PASS
8	Paint or similar surface coating	<25	90	PASS
9	Paint or similar surface coating	<25	90	PASS
10	Paint or similar surface coating	<25	90	PASS
11	Paint or similar surface coating	<25	90	PASS
12	Paint or similar surface coating	<25	90	PASS
13	Paint or similar surface coating	<25	90	PASS
14	Paint or similar surface coating	<25	90	PASS
15	Paint or similar surface coating	<25	90	PASS
16	Paint or similar surface coating	<25	90	PASS
17	Paint or similar surface coating	<25	90	PASS
18	Paint or similar surface coating	<25	90	PASS
19	Paint or similar surface coating	<25	90	PASS
20	Paint or similar surface coating	<25	90	PASS
21	Paint or similar surface coating	<25	90	PASS
22	Paint or similar surface coating	<25	90	PASS
23	Paint or similar surface coating	<25	90	PASS
24	Paint or similar surface coating	<25	90	PASS
25	Paint or similar surface coating	<25	90	PASS
26	Paint or similar surface coating	<25	90	PASS
27	Paint or similar surface coating	<25	90	PASS
28	Paint or similar surface coating	<25	90	PASS
29	Paint or similar surface coating	<25	90	PASS
30	Paint or similar surface coating	<25	90	PASS
31	Paint or similar surface coating	<25	90	PASS
32	Paint or similar surface coating	<25	90	PASS
33	Paint or similar surface coating	<25	90	PASS

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TEST SUMMARY:

Test Item	Classification	Result (ppm)	Limit (ppm) (Note 3)	Conclusion
34	Paint or similar surface coating	<25	90	PASS
35	Paint or similar surface coating	<25	90	PASS
36	Paint or similar surface coating	<25	90	PASS
37	Accessible substrate	<25	300	PASS
38	Accessible substrate	<25	300	PASS
39	Accessible substrate	<25	300	PASS
40	Accessible substrate	<25	300	PASS
41	Accessible substrate	<25	300	PASS
42	Accessible substrate	<25	300	PASS
43	Accessible substrate	<25	300	PASS
44	Accessible substrate	<25	300	PASS
45	Accessible substrate	<25	300	PASS
46	Accessible substrate	<25	300	PASS
47	Accessible substrate	<25	300	PASS
48	Accessible substrate	<25	300	PASS
49	Accessible substrate	<25	300	PASS
50	Accessible substrate	<25	300	PASS
51	Accessible substrate	<25	300	PASS
52	Accessible substrate	<25	300	PASS
53	Accessible substrate	<25	300	PASS
54	Accessible substrate	<25	300	PASS
55	Accessible substrate	<25	300	PASS
56	Accessible substrate	<25	300	PASS
57	Accessible substrate	<25	300	PASS
58	Accessible substrate	<25	300	PASS
59	Accessible substrate	<25	300	PASS
60	Accessible substrate	<25	300	PASS
61	Accessible substrate	<25	300	PASS
62	Accessible substrate	<25	300	PASS
63	Accessible substrate	<25	300	PASS
64	Accessible substrate	<25	300	PASS
65	Accessible substrate	<25	300	PASS
66	Accessible substrate	<25	300	PASS
67	Accessible substrate	<25	300	PASS
68	Accessible substrate	<25	300	PASS
69	Accessible substrate	<25	300	PASS



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TEST SUMMARY:

Test Item	Classification	Result (ppm)	Limit (ppm) (Note 3)	Conclusion
70	Accessible substrate	<25	300	PASS
71	Accessible substrate	<25	300	PASS
72	Accessible substrate	<25	300	PASS

Test Item	Description	Accessibility (Note 4)
1	Black coating (on color pencils)	Accessible as received
2	Burnt umber coating (on color pencils)	Accessible as received
3	Brown coating (on color pencils)	Accessible as received
4	Light Brown coating (on color pencils)	Accessible as received
5	Coffee coating (on color pencils)	Accessible as received
6	Ultramarine coating (on color pencils)	Accessible as received
7	Dark blue coating (on color pencils)	Accessible as received
8	Medium blue coating (on color pencils)	Accessible as received
9	Blue coating (on color pencils)	Accessible as received
10	Light blue coating (on color pencils)	Accessible as received
11	Sky blue coating (on color pencils)	Accessible as received
12	Olive green coating (on color pencils)	Accessible as received
13	Forest green coating (on color pencils)	Accessible as received
14	Christmas green coating (on color pencils)	Accessible as received
15	Green coating (on color pencils)	Accessible as received
16	Deep Green coating (on color pencils)	Accessible as received
17	Grey Green coating (on color pencils)	Accessible as received
18	Light Green coating (on color pencils)	Accessible as received
19	White coating (on color pencils)	Accessible as received
20	Grey coating (on color pencils)	Accessible as received
21	Lemon yellow coating (on color pencils)	Accessible as received
22	Yellow coating (on color pencils)	Accessible as received
23	Golden rod coating (on color pencils)	Accessible as received
24	Mango Yellow coating (on color pencils)	Accessible as received
25	Orange coating (on color pencils)	Accessible as received
26	Peach coating (on color pencils)	Accessible as received
27	Rose coating (on color pencils)	Accessible as received
28	Violet coating (on color pencils)	Accessible as received
29	Grey Violet coating (on color pencils)	Accessible as received
30	Red Violet coating (on color pencils)	Accessible as received
31	Pink coating (on color pencils)	Accessible as received
32	Hot Pink coating (on color pencils)	Accessible as received
33	Crimson coating (On color pencils)	Accessible as received
34	Red orange coating (On color pencils)	Accessible as received
35	Orange red coating (On color pencils)	Accessible as received
36	Red coating (On color pencils)	Accessible as received
37	Black pencil core (on color pencils)	Accessible as received

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Test Item	Description	Accessibility (Note 4)
38	Burnt umber pencil core (on color pencils)	Accessible as received
39	Brown pencil core (on color pencils)	Accessible as received
40	Light Brown pencil core (on color pencils)	Accessible as received
41	Coffee pencil core (on color pencils)	Accessible as received
42	Ultramarine pencil core (on color pencils)	Accessible as received
43	Dark blue pencil core (on color pencils)	Accessible as received
44	Medium blue pencil core (on color pencils)	Accessible as received
45	Blue pencil core (on color pencils)	Accessible as received
46	Light blue pencil core (on color pencils)	Accessible as received
47	Sky blue pencil core (on color pencils)	Accessible as received
48	Olive green pencil core (on color pencils)	Accessible as received
49	Forest green pencil core (on color pencils)	Accessible as received
50	Christmas green pencil core (on color pencils)	Accessible as received
51	Green pencil core (on color pencils)	Accessible as received
52	Deep Green pencil core (on color pencils)	Accessible as received
53	Grey Green pencil core (on color pencils)	Accessible as received
54	Light Green pencil core (on color pencils)	Accessible as received
55	White pencil core (on color pencils)	Accessible as received
56	Grey pencil core (on color pencils)	Accessible as received
57	Lemon yellow pencil core (on color pencils)	Accessible as received
58	Yellow pencil core (on color pencils)	Accessible as received
59	Golden rod pencil core (on color pencils)	Accessible as received
60	Mango Yellow pencil core (on color pencils)	Accessible as received
61	Orange pencil core (on color pencils)	Accessible as received
62	Peach pencil core (on color pencils)	Accessible as received
63	Rose pencil core (on color pencils)	Accessible as received
64	Violet pencil core (on color pencils)	Accessible as received
65	Grey Violet pencil core (on color pencils)	Accessible as received
66	Red Violet pencil core (on color pencils)	Accessible as received
67	Pink pencil core (on color pencils)	Accessible as received
68	Hot Pink pencil core (on color pencils)	Accessible as received
69	Crimson pencil core (on color pencils)	Accessible as received
70	Red orange pencil core (on color pencils)	Accessible as received
71	Orange red pencil core (on color pencils)	Accessible as received
72	Red pencil core (on color pencils)	Accessible as received

Method:

- 1) Lead in paint and other similar surface coatings
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, April 26, 2009 (CPSC-CH-E1003-09)
- 2) Lead in metals
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), December 4, 2008 (CPSC-CH-E1001-08)
- 3) Lead in other non-metal materials including plastics, glass and leather material
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, February 1, 2009 (CPSC-CH-E1002-08)

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TEST SUMMARY:

Note:

- 1) ppm (part per million) = mg/kg (milligram per kilogram)
- 2) "<" = less than
- 3) The requirement of total Lead content is summarized as below:

Timeline for Implementation	Lead in Paint and Surface Coating (mg/kg)	Lead in Accessible Substrate (mg/kg)
	16 CFR 1303 / CPSIA	CPSIA
On or before August 14, 2009	600	-
After February 10, 2009	-	600
After August 14, 2009	90	300
After August 14, 2011	-	100

- 4) The accessibility verification according to 16 CFR 1500.87 (e) to (h) after use and abuse is not applicable since no component of submitted sample is enclosed in any type of material.
- 5) Test is performed on the specified item(s) that is / are excluded from the material listed under 16 CFR 1500.91 (d) as per client's declaration.



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TEST SUMMARY:

Lead in Crayons and Art Supplies – US CPSC

Total Lead by Screening Test

Parameter	Unit	Result						Limit
		1	2	3	4	5	6	
Total Lead (Pb)	mg/kg	<25	<25	<25	<25	<25	<25	100
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result						Limit
		7	8	9	10	11	12	
Total Lead (Pb)	mg/kg	<25	<25	<25	<25	<25	<25	100
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result						Limit
		13	14	15	16	17	18	
Total Lead (Pb)	mg/kg	<25	<25	<25	<25	<25	<25	100
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result						Limit
		19	20	21	22	23	24	
Total Lead (Pb)	mg/kg	<25	<25	<25	<25	<25	<25	100
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result						Limit
		25	26	27	28	29	30	
Total Lead (Pb)	mg/kg	<25	<25	<25	<25	<25	<25	100
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result						Limit
		31	32	33	34	35	36	
Total Lead (Pb)	mg/kg	<25	<25	<25	<25	<25	<25	100
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-



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TEST SUMMARY:

- Test Item 1: Black pencil core (on color pencils)
- Test Item 2: Burnt umber pencil core (on color pencils)
- Test Item 3: Brown pencil core (on color pencils)
- Test Item 4: Light Brown pencil core (on color pencils)
- Test Item 5: Coffee pencil core (on color pencils)
- Test Item 6: Ultramarine pencil core (on color pencils)
- Test Item 7: Dark blue pencil core (on color pencils)
- Test Item 8: Medium blue pencil core (on color pencils)
- Test Item 9: Blue pencil core (on color pencils)
- Test Item 10: Light blue pencil core (on color pencils)
- Test Item 11: Sky blue pencil core (on color pencils)
- Test Item 12: Olive green pencil core (on color pencils)
- Test Item 13: Forest green pencil core (on color pencils)
- Test Item 14: Christmas green pencil core (on color pencils)
- Test Item 15: Green pencil core (on color pencils)
- Test Item 16: Deep Green pencil core (on color pencils)
- Test Item 17: Grey Green pencil core (on color pencils)
- Test Item 18: Light Green pencil core (on color pencils)
- Test Item 19: White pencil core (on color pencils)
- Test Item 20: Grey pencil core (on color pencils)
- Test Item 21: Lemon yellow pencil core (on color pencils)
- Test Item 22: Yellow pencil core (on color pencils)
- Test Item 23: Golden rod pencil core (on color pencils)
- Test Item 24: Mango Yellow pencil core (on color pencils)
- Test Item 25: Orange pencil core (on color pencils)
- Test Item 26: Peach pencil core (on color pencils)
- Test Item 27: Rose pencil core (on color pencils)
- Test Item 28: Violet pencil core (on color pencils)
- Test Item 29: Grey Violet pencil core (on color pencils)
- Test Item 30: Red Violet pencil core (on color pencils)
- Test Item 31: Pink pencil core (on color pencils)
- Test Item 32: Hot Pink pencil core (on color pencils)
- Test Item 33: Crimson pencil core (on color pencils)
- Test Item 34: Red orange pencil core (on color pencils)
- Test Item 35: Orange red pencil core (on color pencils)
- Test Item 36: Red pencil core (on color pencils)

Note: mg/kg = milligram per kilogram
“<” = less than

Method: With reference to the US CPSC Staff Hazard Assessment Procedure for Lead (May 17, 1994).

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TEST REPORT

TEST SUMMARY:

Toxics in Packaging – Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)

Parameter	Unit	Result		Limit
		1	2	
Total Lead (Pb)	mg/kg	<10	<10	-
Total Cadmium (Cd)	mg/kg	<10	<10	-
Chromium (VI) (Cr(VI))	mg/kg	<10	<10	-
Total Mercury (Hg)	mg/kg	<10	<10	-
Total	mg/kg	<40	<40	100
Conclusion		PASS	PASS	-

Test Item 1: Transparent plastic (Box)
Test Item 2: Multicolor coating with grey cardboard

Note: mg/kg = milligram per kilogram
“<” = less than

Method: 1. Pb, Cd & Hg: Sample was digested with nitric acid and then analyzed by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Mass Spectrometer.
2. Cr(VI): Sample was digested with alkaline mixtures and then analyzed by UV-VIS spectrophotometer.

*****End of Test Report*****

NOTE:

If there is question or concern regarding the above results, please contact us via email eguo@mts-global.com