

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: HKGH01404380

Applicant: PRIMEX ASIA LIMITED
TIME TIMER LLC
7707 CAMARGO ROAD
CINCINNATI, OH 45243

Date: Dec 27, 2012

Sample Description:

Submitted samples said to be :
Item Name

: **Young Watch with two assorted colors:**
(A) Light Grey
(B) Dark Grey

Quantity

: (A) - Seven pieces
(B) - Two pieces

Additional Material Provided

: Yes

Manufacturer

: Sweda (Dongguan) Eletronics Co., Ltd.

Buyer

: Time Timer LLC

Country of Origin

: China



Tests conducted:

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

To be continued

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

Karen S.C. Ng
General Manager





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Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	U.S. CFR Title 16 (CPSC Regulations) mechanical and physical tests 1500.48 Sharp point 1500.49 Sharp edge 1501 Small part	Pass
	U.S. CFR Title 16 (CPSC Regulations) Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids	Pass
Tested components of submitted sample	U.S. Code of Federal Regulations Title 16 Part 1303 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in non-surface coating materials (substrate)	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.

- U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 for Phthalate content.

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

Karen S.C. Ng
General Manager





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Tests Conducted

1 Sharp edge test

With reference to U.S. Code of Federal Regulations Title 16 Part 1500.48, the assessment on sharp point was made in as received state and after abuse test.

Number of sample tested : One (1) piece

Result : After testing, no sharp point was found on the submitted sample.

Date sample received : Oct 29, 2012
Testing period : Oct 29, 2012 to Oct 31, 2012

2 Sharp edge test

With reference to U.S. Code of Federal Regulations Title 16 Part 1500.49, the assessment on sharp edge was made in as received state and after abuse test.

Number of sample tested : One (1) piece

Result : After testing, no sharp edge was found on the submitted sample.

Date sample received : Oct 29, 2012
Testing period : Oct 29, 2012 to Oct 31, 2012

3 Physical and Mechanical Test

As per U.S. code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Applicant's specified age group for testing : Ages over 4 years.

	No. of sample tested	Sharp point (1500.48)	Sharp edge (1500.49)	Small part (1501)
As received	2	P	P	NA
Impact (1500.53(b))	1	P	P	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	P	NA
Tension (1500.53(f))	1	P	P	NA
Compression (1500.53(g))	1	P	P	NA

Remark : P = Pass
NA = Not applicable

Date sample received : Oct 26, 2012
Testing period : Oct 26, 2012 to Oct 31, 2012





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4 Flammability Test

As per U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

Result: Ignited but self-extinguished before burn rate could be determined

Date sample received : Oct 26, 2012
Testing period : Oct 26, 2012 to Oct 31, 2012

5 Total Lead (Pb) Content

As per Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(1)	<0.002	0.009
(2)	<0.002	0.009
(3)	<0.002	0.009
(4)	<0.002	0.009

Tested Components :

- (1) Orange wet paint (dark grey watch).
- (2) Dark grey wet paint (dark grey watch).
- (3) Light grey wet paint (grey watch).
- (4) Grey wet paint (grey watch).

Date sample received : Oct 26, 2012 and Dec 14, 2012
Testing period : Oct 26, 2012 to Dec 18, 2012





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6 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.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit in ppm</u>
(1)	<20	100
(2)	<20	100
(3)	<20	100
(4)	<20	100
(5)	<20	100
(6)	<20	100
(7)	<20	100
(8)	<20	100
(9)	<20	100
(10)	<20	100
(11)	42	100

ppm = parts per million = mg/kg

Tested Components :

- (1) Light grey plastic excluding grey, light grey coatings (grey watch).
- (2) Dull grey plastic (watch band of gray watch).
- (3) Red plastic (button of watch).
- (4) Grey plastic (button of dark gray watch).
- (5) Dark grey plastic excluding dark grey, orange coatings (dark gray watch).
- (6) Dull dark grey plastic (watch band of dark gray watch).
- (7) Black plastic (button of dark gray watch).
- (8) Silver color metal (screw).
- (9) Silver color metal (backed of watch).
- (10) Silver color metal (buckle).
- (11) Silver color metal (pin of buckle).

Date sample received : Oct 26, 2012

Testing period : Oct 26, 2012 to Dec 18, 2012



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Tests Conducted

7 Phthalate Content Test

As per Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.3 was used and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (%. w/w)</u>				<u>Limit (%. w/w)</u>
	(1)	(2)	(3)	(4)	(max.)
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	0.1
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	0.1

	<u>Result (%. w/w)</u>				<u>Limit (%. w/w)</u>
	(5)	(6)	(7)	(8)	(max.)
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	0.1
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	0.1

	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u>
	(9)	(10)	(11)	(max.)
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	0.1
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1

Remark : The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.





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Tested Components :

- (1) Orange wet paint (dark grey watch).
- (2) Dark grey wet paint (dark grey watch).
- (3) Light grey wet paint (grey watch).
- (4) Grey wet paint (grey watch).
- (5) Light grey plastic excluding grey, light grey coatings (grey watch).
- (6) Dull grey plastic (watch band of gray watch).
- (7) Red plastic (button of watch).
- (8) Grey plastic (button of dark gray watch).
- (9) Dark grey plastic excluding dark grey, orange coatings (dark gray watch).
- (10) Dull dark grey plastic (watch band of dark gray watch).
- (11) Black plastic (button of dark gray watch).

Date sample received : Oct 26, 2012 and Nov 06, 2012

Testing period : Oct 26, 2012 to Nov 08, 2012

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

