



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

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Hong Kong Toys Council

XRP Screening And Chemical Confirmation Test Report

Number: HKGH01350296

Applicant: TIME TIMER LLC
7707 CAMARGO ROAD
CINCINNATI OH 45243

Date: Aug 22, 2012

Sample Description:

Four (4) pieces of submitted sample said to be :

- Item Name : **Watches**
- Additional Material Provided : Yes
- Vendor : Sweda (Dongguan) Electronics 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>
Tested components of submitted samples	Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011 amending Annex XVII Items 23 of the REACH Regulation (EC) No. 1907/2006	Pass
	Screening by XRF Spectroscopy and Chemical Confirmation Test for RoHS Directive (2002/95/EC)	Pass
	Screening by XRF Spectroscopy and Chemical Confirmation Test for RoHS Directive (2011/65/EU) superseding 2002/95/EC with effect from 3 January 2013	Pass
	Organotin content requirement in Annex XVII item 20 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC)	Pass
	Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC)	Pass
	Nickel release content requirement in Annex XVII Item 27 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 (Formerly Known as Directive 94/27/EC and 2004/96/EC)	Pass

Conclusion:

From the result of our examination and testing we are of the opinion that the submitted samples, comply with EN50419 : 2006 marking of electrical and electronic equipment in accordance with article 11 (2) of Directive 2002/96/EC (WEEE) and subjected to the information stated in the remark.

Remark :

Chemical confirmation tests were conducted to verify the inconclusive results, Lead (Pb), Cadmium (Cd), Mercury (Hg), Chromium (VI) (Cr⁶⁺), Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) content.

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

Karen S.C. Ng
General Manager



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Tests Conducted

1 Screening Test by XRF Spectroscopy

Determination of levels of regulated substances in electrotechnical products, elements of Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr) And Bromine (Br) content were measured by XRF spectroscopy and chemical confirmation test for RoHS restricted substances.

(A) Results :

Screened Components	XRF Results					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(1)	ND	ND	ND	ND	ND	--
(2)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(3)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(4)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(5)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(6)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(7)	ND	ND	ND	ND	ND	--
(8)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(9)	ND	ND	ND	ND	ND	--
(10)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(11)	ND	ND	ND	ND	ND	--
(12)	ND	ND	ND	ND	ND	--
(13)	ND	ND	ND	ND	ND	--
(14)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(15)	ND	ND	ND	D	ND	--
(16)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(17)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(18)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(19)	ND	ND	ND	ND	ND	--
(20)	ND	#	ND	ND	NA	Pb: <2mg/kg
(21)	ND	#2	ND	ND	ND	--
(22)	ND	ND	ND	ND	ND	--
(23)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(24)	ND	ND	ND	ND	ND	--
(25)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(26)	ND	ND	ND	D	NA	--
(27)	ND	ND	ND	ND	ND	--
(28)	ND	ND	ND	ND	ND	--
(29)	ND	ND	ND	ND	ND	--
(30)	ND	ND	ND	ND	ND	--



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Screened Components	XRF Results					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(31)	ND	ND	ND	ND	ND	--
(32)	ND	ND	ND	ND	ND	--
(33)	ND	ND	ND	ND	ND	--
(34)	ND	ND	ND	ND	ND	--
(35)	ND	ND	ND	ND	NA	--
(36)	ND	ND	ND	ND	NA	--
(37)	ND	ND	ND	ND	ND	--
(38)	ND	ND	ND	ND	ND	--
(39)	ND	ND	ND	ND	#	PBBs: <5mg/kg PBDEs: <5mg/kg
(40)	ND	ND	ND	ND	NA	--
(41)	ND	ND	ND	ND	NA	--
(42)	ND	ND	ND	ND	NA	--
(43)	ND	ND	ND	ND	ND	--
(44)	ND	ND	ND	ND	ND	--
(45)	ND	ND	ND	ND	ND	--
(46)	ND	ND	ND	#	NA	Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(47)	ND	#	ND	#	NA	Pb: 32500mg/kg (#1) Cr ⁶⁺ : Negative (<0.02mg/kg with 50 cm ²)
(48)	ND	ND	ND	ND	ND	--
(49)	ND	ND	ND	ND	NA	--
(50)	ND	ND	ND	ND	NA	--
(51)	ND	ND	ND	ND	NA	--
(52)	ND	ND	ND	ND	ND	--
(53)	ND	ND	ND	D	NA	--
(54)	ND	ND	ND	ND	NA	--
(55)	ND	ND	ND	ND	ND	--
(56)	ND	ND	ND	ND	ND	--
(57)	ND	ND	ND	ND	NA	--
(58)	ND	ND	ND	ND	#	PBBs: <5mg/kg PBDEs: <5mg/kg
(59)	ND	D	ND	#	ND	Cr ⁶⁺ : <1mg/kg
(60)	ND	#2	ND	ND	#	PBBs: <5mg/kg PBDEs: <5mg/kg
(61)	ND	ND	ND	ND	ND	--
(62)	ND	ND	ND	ND	ND	--
(63)	ND	ND	ND	ND	ND	--
(64)	ND	ND	ND	ND	#	PBBs: <5mg/kg PBDEs: <5mg/kg

Remark: ND = Not detected

NA = Not applicable

D = Detected : Below the lower screening limit of table(B) and pass.

ppm = part per million = mg/kg

mg/kg with 50cm² = milligram per kilogram with 50 square centimetre

< = Less than

= Inconclusive





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Positive = A positive test result indicated the presence of Cr(VI) at the time of testing, equal to or greater than threshold of 1 mg/kg for spot test procedure or 0.02 mg/kg for boiling-water-extraction procedure with a sample surface area of 50cm² used. However, it shall not be interpreted as the Cr(VI) concentration in the coating layer of the sample and should not be used as a method detection limit for this qualitative test.

Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.

#1 = As claimed by the declaration submitted by the client, the Lead content of the component is coming from copper alloy only. According to EU RoHS Directive (2002/95/EC) and its amendments, Lead as an alloying element in copper alloy can be containing up to 4% (40,000 ppm) Lead by weight.

#2 = As claimed by the declaration submitted by the client, the Lead content of the component is coming from the constituent of ceramic part of the electronic component only. According to EU RoHS Directive (2002/95/EC) and its amendments, Lead in electronic ceramic parts of this component can be exempted.

List of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) in chemical confirmation test:

PBBs	PBDEs
Monobromobiphenyl (monoBB)	Monobromodiphenyl ether (MonoDBE)
Dibromobiphenyl (DiBB)	Dibromodiphenyl ether (DiDBE)
Tribromobiphenyl (TriBB)	Tribromodiphenyl ether (TriDBE)
Tetrabromobiphenyl (TetraBB)	Tetrabromodiphenyl ether (TetraDBE)
Pentabromobiphenyl (PentaBB)	Pentabromodiphenyl ether (PentaDBE)
Hexabromobiphenyl (HexaBB)	Hexabromodiphenyl ether (HexaDBE)
Heptabromobiphenyl (HeptaBB)	Heptabromodiphenyl ether (HeptaDBE)
Octabromobiphenyl (OctaBB)	Octabromodiphenyl ether (OctaDBE)
Nonabromobiphenyl (NonaBB)	Nonabromodiphenyl ether (NonaDBE)
Decabromobiphenyl (DecaBB)	Decabromodiphenyl ether (DecaDBE)



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(B) XRF screening limits in mg/kg for regulated elements in various matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 150 \leq F$
Pb	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Hg	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < X$	$P \leq 500 < X$
Br	$P \leq 300 < X$	Not applicable	$P \leq 250 < X$

P = Pass

X = Inconclusive result

F = Fail

mg/kg = milligram per kilogram = ppm

(C) Estimated detection limits in mg/kg for regulated elements in various matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not Applicable	200

Disclaimers:

This XRF screening report is for reference purposes only. The applicant shall make its/His/Her own judgement as to whether the information provided in this XRF screening report is sufficient for its/His/Her purposes.

The results shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. Plastic, Rubber, Metal, Glass, Ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.



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(D) Chemical confirmation test Methods

Testing Item	Testing Method	Reporting Limit
Lead (Pb) Content	With reference to IEC 62321 edition 1.0 : 2008, by acid digestion and determined by ICP-OES	2 mg/kg
Chromium (VI) (Cr ⁶⁺) Content (For Metal)	With reference to IEC 62321 edition 1.0 : 2008, by spot test.	Positive/ Negative (Threshold of 1 mg/kg)
Chromium (VI) (Cr ⁶⁺) Content (For Metal)	With reference to IEC 62321 edition 1.0 : 2008, by boiling water extraction and determined by UV-VIS spectrophotometer	Positive/ Negative (Threshold of 0.02mg/kg with 50cm ²)
Polybrominated Biphenyls (PBBs)& Polybrominated Diphenyl Ethers (PBDEs)	With reference to IEC 62321 edition 1.0 : 2008, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	5 mg/kg

(E) RoHS requirements

Restricted substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 ppm)
Polybrominated biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated diphenyl ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC.

Screened components:

- (1) Dark grey plastic (belt of watch).
- (2) Silver color metal (tip of belt axle).
- (3) Silver color metal (tube of belt axle).
- (4) Dull silver color metal (spring of belt axle).
- (5) Silver color metal (clip of buckle).
- (6) Silver color metal (hook of buckle).
- (7) Dark grey plastic with with coating (case of watch).
- (8) Silver color metal (frame of screen).
- (9) Transparent plastic (screen).
- (10) Silver color metal (screw).
- (11) Shiny black plastic (cushion of screen).
- (12) Black plastic (button).
- (13) Red plastic (button).
- (14) Silver color metal (C-ring of button).
- (15) Black plastic (ring of button).





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Screened components:

- (16) Dull copper color metal (spring of button).
- (17) Silver color metal (axle of button).
- (18) Silver color metal (cover of watch).
- (19) Translucent plastic (holder of buzzer).
- (20) Gold color metal (piezo metal plate of buzzer).
- (21) Silver color body (piezo electric element of buzzer).
- (22) White plastic (battery case).
- (23) Silver color metal (battery contact plate).
- (24) Transparent plastic (cover of battery case).
- (25) Silver color metal (frame of battery case).
- (26) Silver color metal (spring of battery case).
- (27) White plastic (holder of LCD).
- (28) Pink/black plastic (connector of LCD).
- (29) Transparent plastic with purple coating (reflector of LCD).
- (30) Silver color plastic with coatings (fluorescent orange, black) (receiver of LCD).
- (31) Translucent black plastic (receiver of LCD).
- (32) Transparent glass (LCD).
- (33) Red plastic (wire insulator).
- (34) Blue plastic (wire insulator).
- (35) Silver color metal (wire).
- (36) Silver color metal (weight of motor).
- (37) Green plastic (ring of weight of motor).
- (38) White plastic (ring of weight of motor).
- (39) White plastic (cap of motor).
- (40) Silver color metal (contact plate of motor).
- (41) Silver color metal (case of motor).
- (42) Copper color metal (coil of motor).
- (43) Yellow plastic label (coil tape of motor).
- (44) Silver color metal (commutator case of motor).
- (45) Black plastic (commutator of motor).
- (46) Silver color metal (axle of motor).
- (47) Copper color metal (axle holder of motor).
- (48) Red plastic (ring of motor).
- (49) Silver color metal (magnet of motor).
- (50) Silver color metal (tube inside magnet of motor).
- (51) Copper color metal (tube inside magnet of motor).
- (52) Black plastic (pad of PCB).
- (53) Silver color body with black printing (oscillator).
- (54) Silver color metal (lead of oscillator).
- (55) Translucent glue (inductor).
- (56) Dark grey body (core of inductor).
- (57) Copper color metal (coil of inductor).
- (58) Black body with silver color metal (SMD transistor).
- (59) White body with black printing and silver color metal (SMD resistor).
- (60) Transparent body with silver color metal (SMD diode).
- (61) Brown body with silver color metal (SMD capacitor).
- (62) Dark brown body with silver color metal (SMD capacitor).
- (63) Black epoxy with chip (IC on PCB).
- (64) Green fibre board (PCB).

Date sample received : Jun 23, 2012, Jul 19, 2012 and Aug 18, 2012

Testing period : Jun 23, 2012 to Aug 20, 2012





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2 Cadmium (Cd) Content

As per Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011 amending Annex XVII Item 23 of the REACH Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>
(1)	ND
(2)	ND
(3)	ND
(4)	ND
(5)	ND
(6)	ND
(7)	ND
(8)	ND
(9)	ND
(10)	ND
(11)	ND
(12)	ND
(13)	ND
(14)	ND
(15)	ND
(16)	ND
(17)	ND
(18)	ND

Limit:

Category	Limit (%)
Wet paint	Not permitted
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

< = Less than

ND = Not detected (< 0.0005%)





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Tested components :

- (1) Light grey coating on plastic (body of watch).
- (2) Deep grey plastic (body of watch).
- (3) Grey plastic (watch band).
- (4) Red plastic (buttons).
- (5) Black plastic (buttons).
- (6) White plastic (case of LCD) (internal).
- (7) Black plastic (rim) (internal).
- (8) Pink/black plastic (contact plates of LCD) (internal).
- (9) Transparent grey plastic sheet (LCD) (internal).
- (10) Transparent plastic sheet with (orange, black, silver color) coatings (back of LCD) (internal).
- (11) Green printed PCB (internal).
- (12) White plastic sheet with purple coating (back of LCD) (internal).
- (13) Transparent plastic label (back of battery) (internal).
- (14) Dull white plastic (plastic part of motor) (internal).
- (15) Red plastic (wire covering) (internal).
- (16) Blue plastic (wire covering) (internal).
- (17) Transparent plastic (metal case) (internal).
- (18) Transparent glue (PCB) (internal).

Date sample received : Jun 23, 2012

Testing period : Jun 23, 2012 to Jul 03, 2012



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Tests Conducted

3 Phthalate Content Test

With reference to EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	0.1

	<u>Result (% w/w)</u>		<u>Limit (% w/w)</u>
	<u>(4)</u>	<u>(5)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	0.1

Remark : The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) for phthalate content in toys and children articles.

< = Less than

Tested components :

- (1) Light grey coating on plastic (body of watch).
- (2) Deep grey plastic (body of watch).
- (3) Grey plastic (watch band).
- (4) Red plastic (buttons).
- (5) Black plastic (buttons).

Date sample received : Jun 23, 2012 and Jun 28, 2012
Testing period : Jun 23, 2012 to Jun 30, 2012



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Tests Conducted

4 Release of Nickel for Direct Prolonged Skin Contact Item

As per EN1811 : 1998 + A1 : 2008.

<u>Tested Component</u>	<u>Trial</u>	<u>Sample Area (cm²)</u>	<u>Volume of Test Solution (ml)</u>	<u>Result (µg/cm²/week)</u>
(1)	1	2.6	3	<0.1
	2	2.6	3	<0.1
(2)	1	15.0	15	<0.1
	2	15.0	15	<0.1
(3)	1	7.7	8	<0.1
	2	7.7	8	<0.1

Requirement : Less than 0.5 µg/cm²/week

Tested Components :

- (1) Metal screw.
- (2) Metal back frame.
- (3) Metal buckle with tongue.

Remark : < = Less than

Date sample received : Jun 23, 2012
Testing period : Jun 23, 2012 to Jul 09, 2012

5 Release of Nickel for Coated Item

As per EN12472 : 2005 + A1 : 2009 and EN1811 : 1998 + A1 : 2008.

<u>Tested Component</u>	<u>Trial</u>	<u>Sample Area (cm²)</u>	<u>Volume of Test Solution (ml)</u>	<u>Result (µg/cm²/week)</u>
(1)	1	2.6	3	<0.1
	2	2.6	3	<0.1
(2)	1	15.0	15	<0.1
	2	15.0	15	<0.1
(3)	1	7.7	8	<0.1
	2	7.7	8	<0.1

Requirement : Less than 0.5 µg/cm²/week

Tested Components :

- (1) Metal screw.
- (2) Metal back frame.
- (3) Metal buckle with tongue.

Remark : < = Less than

Date sample received : Jun 23, 2012
Testing period : Jun 23, 2012 to Jul 09, 2012



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Tests Conducted

6 Organotin Content

By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS) analysis.

Compound	Result (%. w/w) of tin				Requirement (%. w/w) of tin
	(1)	(2)	(3)	(4)	
Tributyltin (TBT)	<0.001	<0.001	<0.001	<0.001	0.1
Triphenyltin (TPT)	<0.001	<0.001	<0.001	<0.001	0.1
Dibutyltin (DBT)	<0.001	<0.001	<0.001	<0.001	0.1
Diocetyl tin (DOT)	<0.001	<0.001	<0.001	<0.001	0.1

Compound	Result (%. w/w) of tin				Requirement (%. w/w) of tin
	(5)	(6)	(7)	(8)	
Tributyltin (TBT)	<0.001	<0.001	<0.001	<0.001	0.1
Triphenyltin (TPT)	<0.001	<0.001	<0.001	<0.001	0.1
Dibutyltin (DBT)	<0.001	<0.001	<0.001	<0.001	0.1
Diocetyl tin (DOT)	<0.001	<0.001	<0.001	<0.001	0.1

Compound	Result (%. w/w) of tin				Requirement (%. w/w) of tin
	(9)	(10)	(11)	(12)	
Tributyltin (TBT)	<0.001	<0.001	<0.001	<0.001	0.1
Triphenyltin (TPT)	<0.001	<0.001	<0.001	<0.001	0.1
Dibutyltin (DBT)	<0.001	<0.001	<0.001	<0.001	0.1
Diocetyl tin (DOT)	<0.001	<0.001	<0.001	<0.001	0.1

Compound	Result (%. w/w) of tin				Requirement (%. w/w) of tin
	(13)	(14)	(15)	(16)	
Tributyltin (TBT)	<0.001	<0.001	<0.001	<0.001	0.1
Triphenyltin (TPT)	<0.001	<0.001	<0.001	<0.001	0.1
Dibutyltin (DBT)	<0.001	<0.001	<0.001	<0.001	0.1
Diocetyl tin (DOT)	<0.001	<0.001	<0.001	<0.001	0.1

Compound	Result (%. w/w) of tin		Requirement (%. w/w) of tin
	(17)	(18)	
Tributyltin (TBT)	<0.001	<0.001	0.1
Triphenyltin (TPT)	<0.001	<0.001	0.1
Dibutyltin (DBT)	<0.001	<0.001	0.1
Diocetyl tin (DOT)	<0.001	<0.001	0.1

Remark : The above limit was quoted according to Annex XVII Items 20 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC) for organotin content.

Remark : < = Less than
 Detection limit = 0.001% (w/w) of tin



XRP Screening And Chemical Confirmation Test Report

Number: HKGH01350296

Tests Conducted

Tested Components :

- (1) Light grey coating on plastic (body of watch).
- (2) Deep grey plastic (body of watch).
- (3) Grey plastic (watch band).
- (4) Red plastic (buttons).
- (5) Black plastic (buttons).
- (6) White plastic (case of LCD) (internal).
- (7) Black plastic (rim) (internal).
- (8) Pink/black plastic (contact plates of LCD) (internal).
- (9) Transparent grey plastic sheet (LCD) (internal).
- (10) Transparent plastic sheet with (orange, black, silver color) coatings (back of LCD) (internal).
- (11) Green printed PCB (internal).
- (12) White plastic sheet with purple coating (back of LCD) (internal).
- (13) Transparent plastic label (back of battery) (internal).
- (14) Dull white plastic (plastic part of motor) (internal).
- (15) Red plastic (wire covering) (internal).
- (16) Blue plastic (wire covering) (internal).
- (17) Transparent plastic (metal case) (internal).
- (18) Transparent glue (PCB) (internal).

Date sample received : Jun 23, 2012 and Jul 06, 2012
Testing period : Jun 23, 2012 to Jul 10, 2012

7 Marking of electrical and electronic equipment

As per European Standard on marking of electrical and electronic equipment in accordance with article 11 (2) of Directive 2002/96/EC (WEEE).

Finding :

1. Identification of producer

The trademark of manufacturer marked as TIME TIMER was found carved on the samples.

2. WEEE marking

The WEEE marking was found carved on the samples with correct dimension.

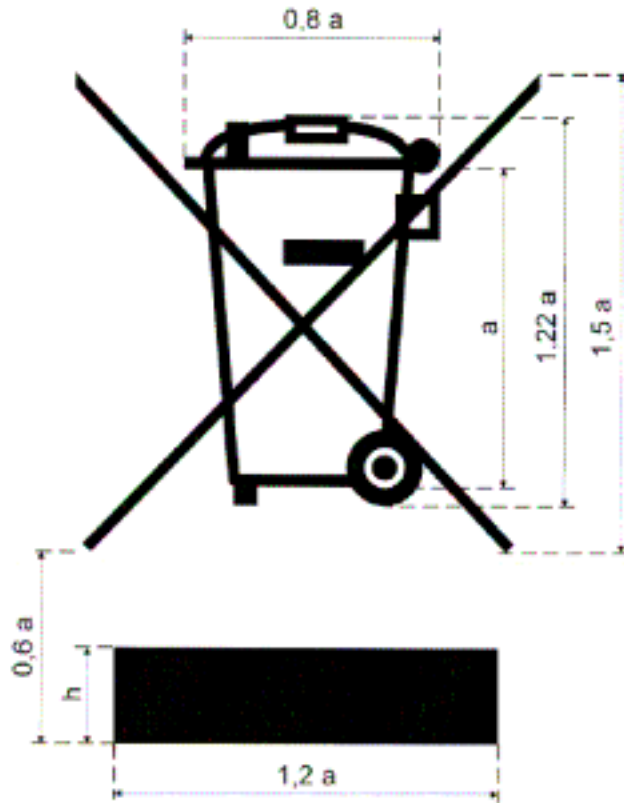


XRP Screening And Chemical Confirmation Test Report

Number: HKGH01350296

Tests Conducted

Required proportion



3. Durability checking

The durability was checked by rubbing for 15s with a cloth soaked in water, and then rubbing for another 15s with a cloth soaked in petroleum spirit.

The marking was found accessible, durable, legible and indelible after test.

Remark : The brand name, trademark, company registration number etc, was done by a visual checking of its physically presence only. There was no verification in its validity.

Date sample received : Jun 23, 2012, Jul 06, 2012 and Jul 10, 2012

Testing period : Jun 23, 2012 to Jul 10, 2012

End of report

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