Test Report

Report No.: U08805221024607E **Query Password: QW4639** **Date: Oct. 27, 2022** **Page 1 of 8**

Applicant: Time Revolution Limited

Contact information: R/1342-1349, F/13, Block C, Qinghu Technology Park, Qingxiang Road, Longhua District, Shenzhen

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

Sample Name	:	Watch
Model	:	Carl von Zeyten
Received Date	:	Oct. 24, 2022
Testing Period	:	From Oct. 24, 2022 to Oct. 27, 2022
Test Request	:	Please refer to next page(s).
Test Result(s)	:	Please refer to next page(s).

Shen Zhen UONE Test Co., LTD.

Prepared by	Checked by	Approved by
Max	Lin	Hedy
Max Wu	Lin Zhu	Hedy Xu

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Summary of test results:

TEST REQUEST	CONCLUSION
(1) RoHS Directive 2011/65/EU and its subsequent amendments Directive (EU) 2015/863 Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP)	**PASS**

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Test Material List

Material No.	Description (Location)
1	Silvery metal (case)
2	Strap (dark blue strap)

Test Result(s):

(1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP)

(1.1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI))

Test Method: With reference to IEC 62321-5: 2013, IEC62321-4: 2013+A1:2017, IEC 62321-7-1: 2015 or IEC 62321-7-2: 2017, was analyzed by ICP-OES & UV-Vis.

Test Items	Unit	MDL	Limit	Test result	
				1	2
Lead (Pb)	mg/kg	2	1000	N.D.	N.D.
Cadmium (Cd)	mg/kg	2	100	N.D.	50
Mercury (Hg)	mg/kg	2	1000	N.D.	N.D.
Hexavalent Chromium(Cr(VI))	mg/kg	8	1000	NA	737
Hexavalent Chromium(Cr(VI))	See note 1			Negative	NA
Conclusion				PASS	PASS

-Note1

Boiling-water-extraction:(X represents the results of the tested sample)

Number	Colorimetric result (Cr(VI) concentration)	Judgement
1	$X<0.1\mu g/cm^2$	Negative#
2	$0.1\mu g/cm^2 \leq X \leq 0.13\mu g/cm^2$	Uncertainty#
3	$X>0.13\mu g/cm^2$	Positive#

=

1.Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.

2.Uncertainty indicates the absence of Cr(VI) on the tested areas unavoidable coating variations may influence the determination.

3.Positive indicates the presence of Cr(VI) on the tested areas concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

4.Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI)

represent status of the sample at the time of testing.

(1.2) Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs)

Test Method: With reference to IEC 62321-6:2015, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Items	Unit	MDL	Limit	Test result
				2
Mono-bromobiphenyl	mg/kg	5	/	N.D.
Di-bromobiphenyl	mg/kg	5	/	N.D.
Tri-bromobiphenyl	mg/kg	5	/	N.D.
Tetra-bromobiphenyl	mg/kg	5	/	N.D.
Penta-bromobiphenyl	mg/kg	5	/	N.D.
Hexa-bromobiphenyl	mg/kg	5	/	N.D.
Hepta-bromobiphenyl	mg/kg	5	/	N.D.
Octa-bromobiphenyl	mg/kg	5	/	N.D.
Nona-bromobiphenyl	mg/kg	5	/	N.D.
Deca-bromobiphenyl	mg/kg	5	/	N.D.
Polybrominated Biphenyls (PBBs)	mg/kg	/	1000	N.D.
Mono-bromodiphenyl ether	mg/kg	5	/	N.D.
Di-bromodiphenyl ether	mg/kg	5	/	N.D.
Tri-bromodiphenyl ether	mg/kg	5	/	N.D.
Tetra-bromodiphenyl ether	mg/kg	5	/	N.D.
Penta-bromodiphenyl ether	mg/kg	5	/	N.D.
Hexa-bromodiphenyl ether	mg/kg	5	/	N.D.
Hepta-bromodiphenyl ether	mg/kg	5	/	N.D.
Octa-bromodiphenyl ether	mg/kg	5	/	N.D.
Nona-bromodiphenyl ether	mg/kg	5	/	N.D.
Deca-bromodiphenyl ether	mg/kg	5	/	N.D.
Polybrominated DiphenylEthers (PBDEs)	mg/kg	/	1000	N.D.
Conclusion				PASS

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(1.3) Phthalates (DBP, BBP, DEHP, DIBP)

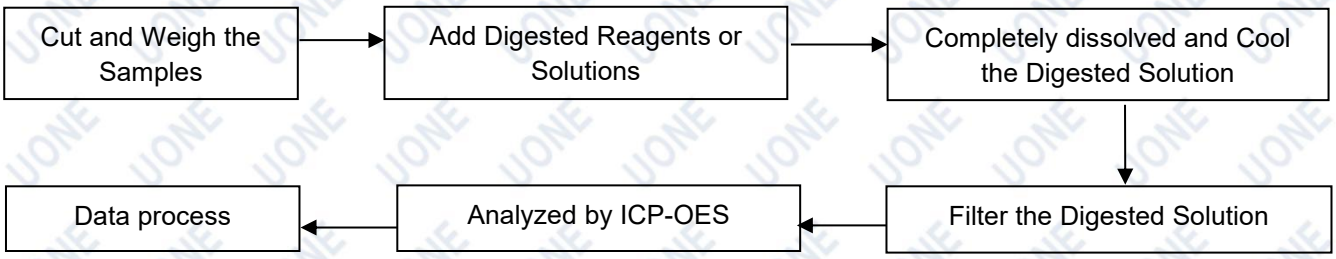
Test Method: With reference to IEC 62321-8: 2017, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Substances	CAS No.	Unit	MDL	Limit	Test result
					2
Dibutyl phthalate (DBP)	84-74-2	mg/kg	20	1000	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	20	1000	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	20	1000	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	20	1000	N.D.
Conclusion					PASS

Note:
1. mg/kg = milligram per kilogram (ppm).
2. MDL= method detection limit.
3. N.D.=not detected (<MDL).
4. "/"=Not regulated, NA = Not Applicable.
5. Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) coating.

Test Process Flow

1. Lead, Cadmium, Mercury



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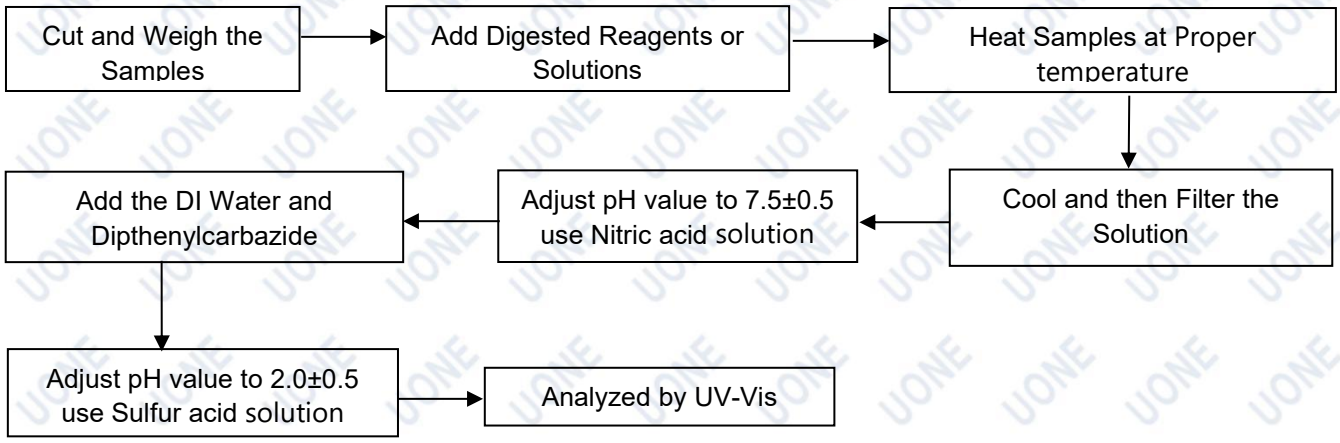
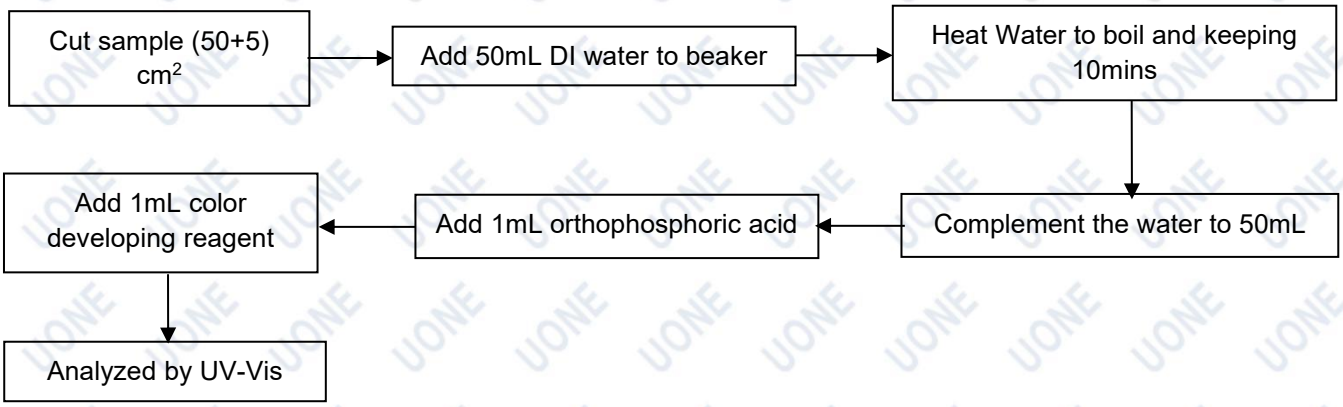
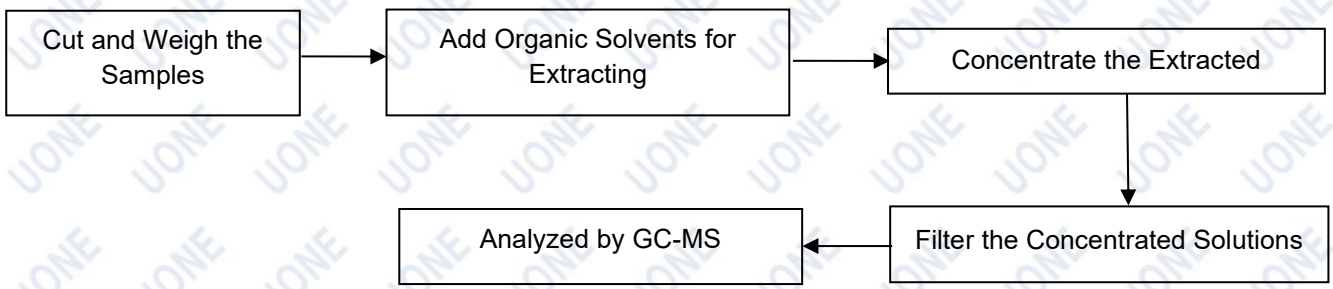
2. Hexavalent Chromium (Non-metal)



Hexavalent Chromium (Metal)



3. PBBs & PBDEs, Phthalates



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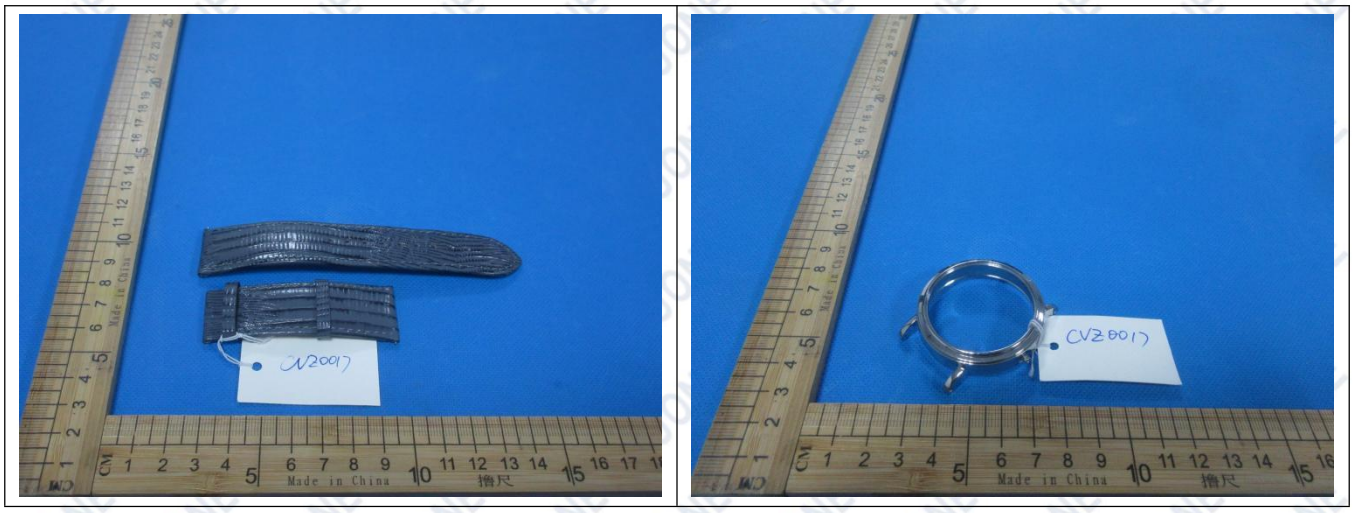
Photo(s) of Sample:



End of Report

Statement

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