Test Report

Applicant	:	**MASSPHOTON LIMITED**
Address	:	Unit 542, 5F, Building 5W, Phase One, Hong Kong Science Park, New Territories, Hong Kong
Manufacturer	:	**XUZHOU LIYU ADVANCED TECHNOLOGY CO., LTD**
Address	:	1st floor, No.1, Electronic Information Building, No. 5 Jingwei Road, Xuzhou High tech Industrial Development Zone,Xuzhou, Jiangsu 221100, China

The following sample(s) was /were submitted and identified on behalf of the clients as:

Sample Name	:	UVC Air Sterilizer
Trade mark	:	/
Main test model	:	Q6060
Models		Q6060, Q6060-A, Q6060-B, Q6060-C
Sample Received Date	:	Jun.31 2024- Aug.08, 2024
Testing Period	:	Aug.08, 2024
Test Requested	:	Selected test (s) in the selected parts as requested by client with the RoHS 2.0 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102.
Test Method	:	Please refer to next page(s).
Test Result	:	Please refer to next page(s).

Strictly revise forbid

Signed for and on behalf of

DONGGUAN BST TECHNOLOGY CO.,LTD. APPROVED

Chen liang/ Approved Signatory

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Test Report

Test Content:

Test Item(s)	Test Method	Reference	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	mg/kg	100	3
Lead(Pb)	IEC 62321-5:2013	ICP-OES	mg/kg	1000	3
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	mg/kg	1000	3
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015	UV-Vis	μg/cm^2	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017	UV-Vis	mg/kg	1000	8
PBBs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
PBDEs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30

PBBs		PBDEs	
Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

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Sample Description:

No.	Part Name	Material
1	Front frame	Cold rolled steel/aluminum
2	Rear housing	Cold rolled steel/aluminum
3	Air duct	Cold rolled steel/aluminum
4	Inlet and outlet grille	Cold rolled steel/aluminum
5	Reflector	aluminium
6	radiator	aluminium
7	Primary filter screen	polyester
8	fan	PC+ABS
9	UV lamp board	aluminium
10	Photocatalyst catalytic network	nickel
11	Lighting board	aluminium
12	Main control board	FR-4
13	Drive board	FR-4
14	Ul display panel	FR-4
15	UV sensing board	FR-4
16	adapter	PC+ABS
17	remote control	PC+ABS
18	Packing	paper

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Test Result

Test Item(s)	No.1	No.2	No.3	No.4	No.5	No.6
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	/	/	/	/	/	/
PBDEs	/	/	/	/	/	/
Dibutyl Phthalate (DBP)	/	/	/	/	/	/
Butyl benzyl phthalate (BBP)	/	/	/	/	/	/
Di-(2-ethylhexyl) Phthalate(DEHP)	/	/	/	/	/	/
Diisobutyl phthalate (DIBP)	/	/	/	/	/	/

Test Item(s)	No.7	No.8	No.9	No.10	No.11	No.12
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	/	/	/	N.D.
PBDEs	N.D.	N.D.	/	/	/	N.D.
Dibutyl Phthalate (DBP)	N.D.	N.D.	/	/	/	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	/	/	/	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	/	/	/	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	/	/	/	N.D.

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Test Item(s)	No.13	No.14	No.15	No.16	No.17	No.18
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PBDEs	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

1. mg/kg= ppm
2. N.D.= Not Detected(<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing
5. when Cr(VI) in a sample is detected below the 0.10 μg/cm^2 LOQ (limit of quantification), the sample is considered to be negative for Cr(VI). Since Cr(VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between 0.10 μg/cm^2 and 0.13 μg/cm^2 has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr(VI). When Cr(VI) is detected above 0.13 μg/cm^2, the sample is considered to be positive for the presence of Cr(VI) in the coating layer. unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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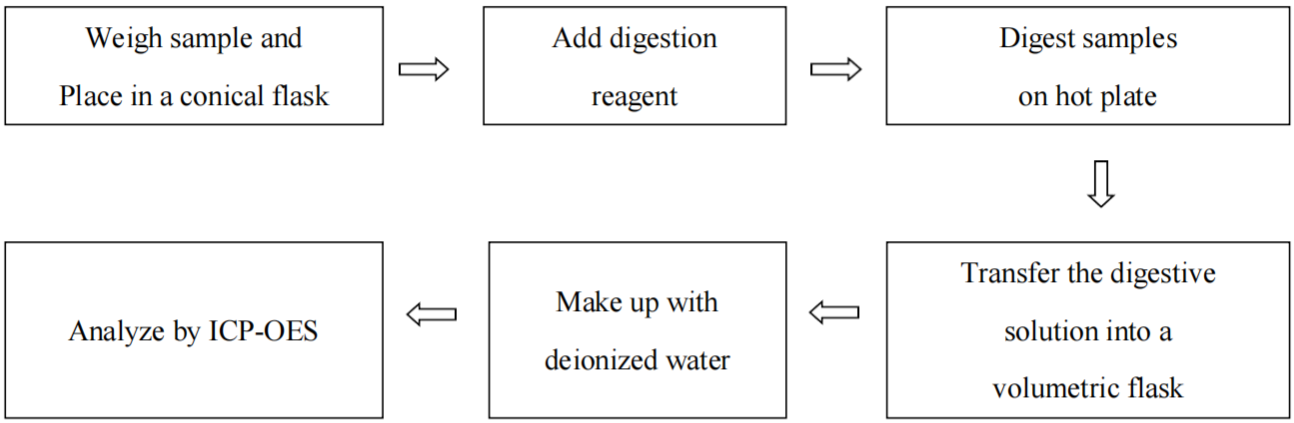
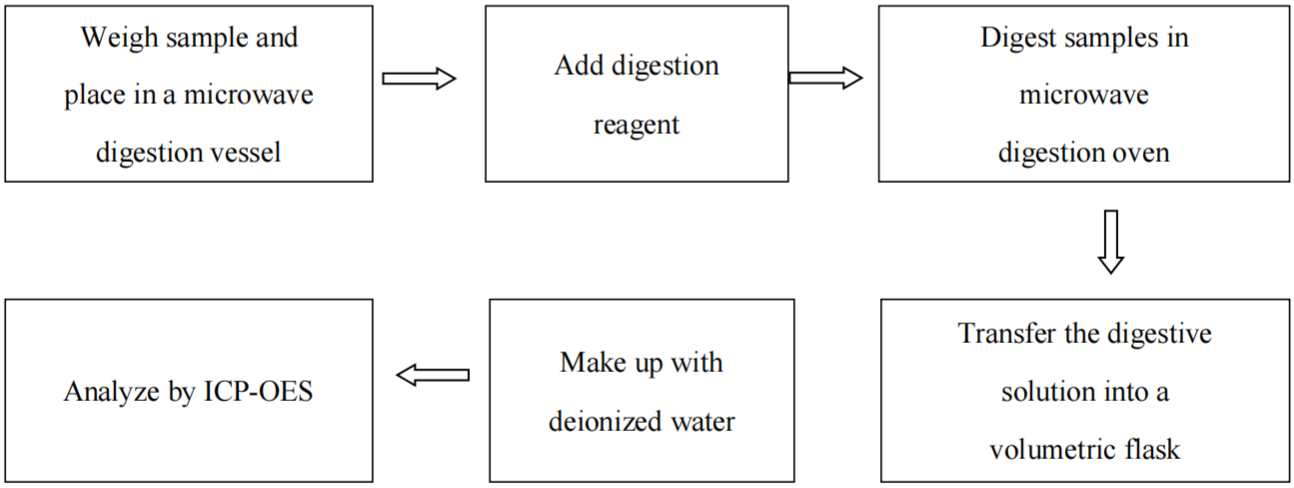
Test Process:

1. Test for Cd/Pb Content



2. Test for Hg Content



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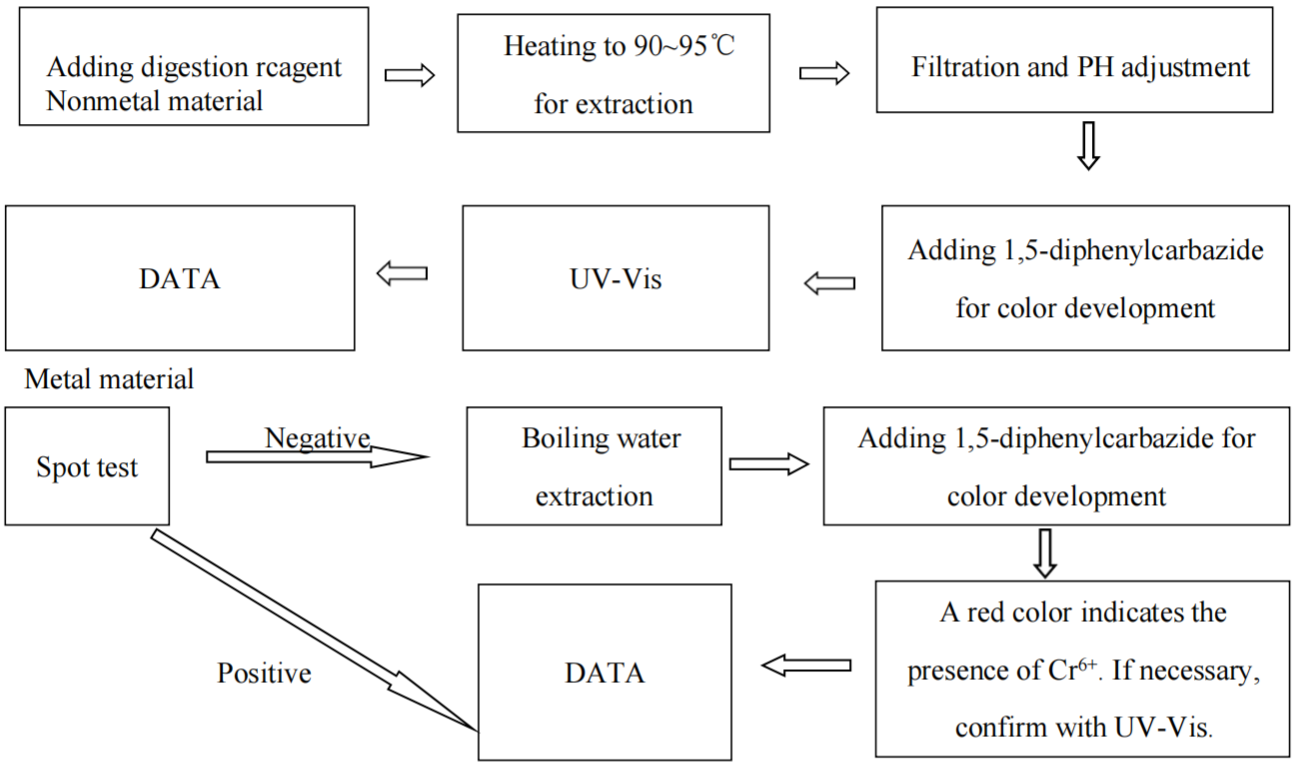
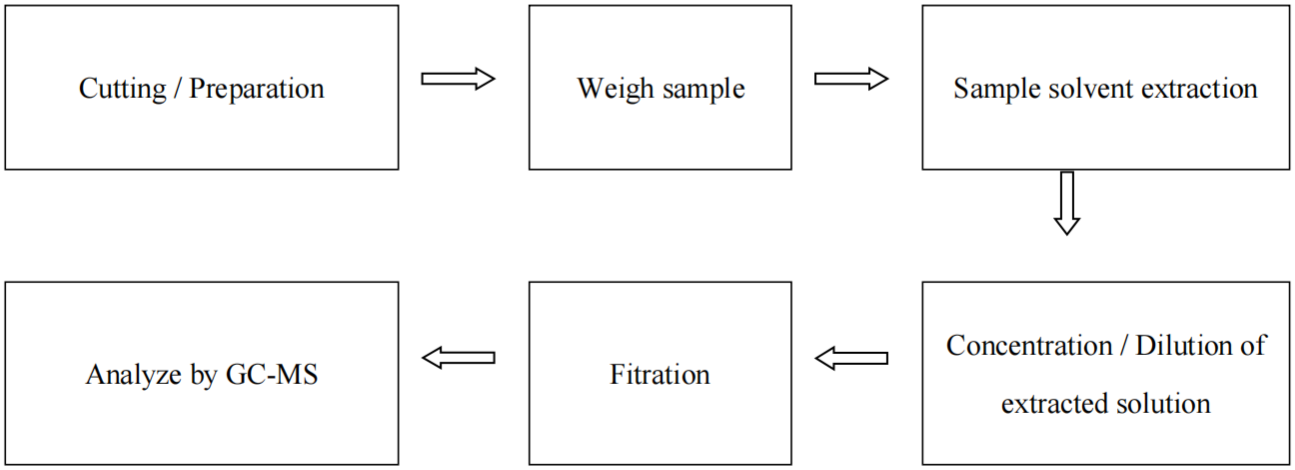
3. Test for Chromium (VI) Content



4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content



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Test Report

Sample Photo



*** End of Report ***

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