



Test Report

Report No: CTG2505234933K-SR01AA

Date: May 23, 2025

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Applicant: Henan Zhonghai Environmental Protection Equipment Co., Ltd
Address: No. 112, 14th Floor, Unit 1, Building 1, No. 41 Jinsuo Road, High tech Industrial Development Zone, Zhengzhou City, Henan Province
Manufacturer: Henan Zhonghai Environmental Protection Equipment Co., Ltd
Address: No. 112, 14th Floor, Unit 1, Building 1, No. 41 Jinsuo Road, High tech Industrial Development Zone, Zhengzhou City, Henan Province

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

Sample Name : Water Treatment Equipment
Main Test Model : DRO-2T
Additional model : A1-800G, B1-1600G, B2-2000G, C1-600G, C1-1200G, F1-0.25T, F1-0.5T, DRO-1T, DRO-2T, X1-0.5T, W1-400G, W2-800G, JY-100GPD, JY-400GPD, JY-600GPD, UF-5, UF-3, WS-1T, WS-2T, WS-3T
Sample Received Date : May 08, 2025
Testing Period : May 08, 2025 To May 23, 2025
Test Requested : Selected test (s) in the selected parts as requested by client with the RoHS 2 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).

Signed for and on behalf of



Aaron Zhai/Approved Signatory



SHENZHEN CTG TESTING CO.,LTD.

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Test Content:

Test Item(s)	Test Method	Reference	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013	ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	mg/kg	1000	2
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.	Description	Name
1	Metal	Conductive metal pin
2	Metal	Joint plastic
3	Plastic	Wire sheath
4	Metal	Wire copper wire
5	Plastic	Plastic shell
6	PCB	PCB
7	IC	IC
8	Plastic	Plastic components
9	Metal	Metal components
10	Metal	Electric motor metal box
11	Metal	Coil
12	Plastic	Pacifier terminal
13	Plastic	Air extractor
14	Plastic	Vent pipe
15	Plastic	Lock buckle head



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Test Result:

Test Item(s)	No.1	No.2	No.3	No.4	No.5
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	--	--	N.D.	--	N.D.
PBDEs	--	--	N.D.	--	N.D.
Dibutyl Phthalate (DBP)	--	--	N.D.	--	N.D.
Butyl benzyl phthalate (BBP)	--	--	N.D.	--	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	--	--	N.D.	--	N.D.
Diisobutyl phthalate (DIBP)	--	--	N.D.	--	N.D.
Test Item(s)	No.6	No.7	No.8	No.9	No.10
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	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.11	No.12	No.13	No.14	No.15
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	--	N.D.	N.D.	N.D.	N.D.
PBDEs	--	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	--	N.D.	N.D.	N.D.	N.D.
Butyl benzyl phthalate (BBP)	--	N.D.	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	--	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	--	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 $\mu\text{g}/\text{cm}^2$ 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 $\mu\text{g}/\text{cm}^2$ and 0.13 $\mu\text{g}/\text{cm}^2$ 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 $\mu\text{g}/\text{cm}^2$, 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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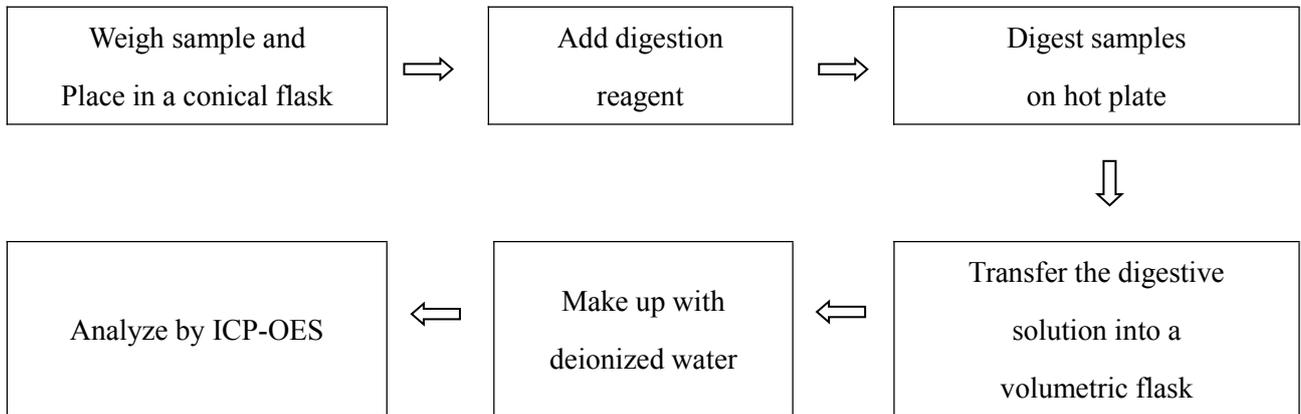
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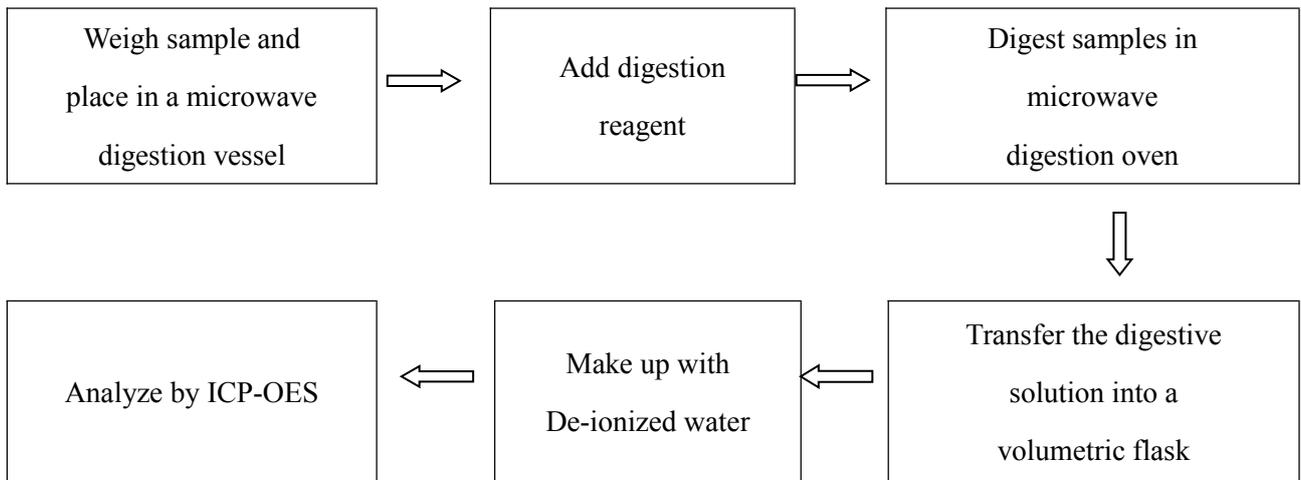
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Test Process:

1. Test for Cd/Pb Content



2. Test for Hg Content



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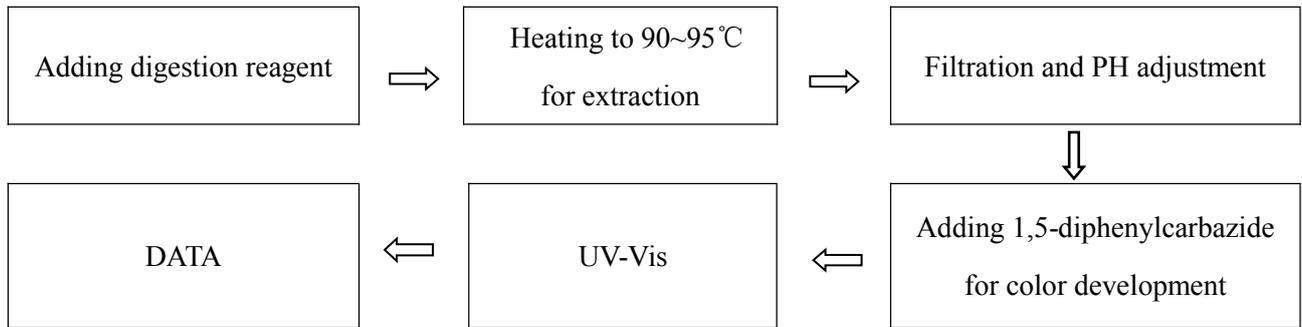
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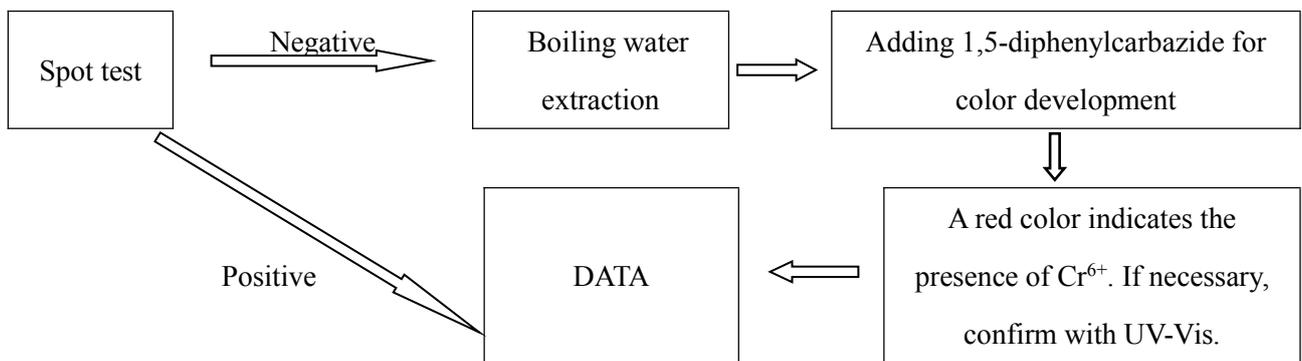
Website:www.ctg-cert.com

3. Test for Chromium (VI) Content

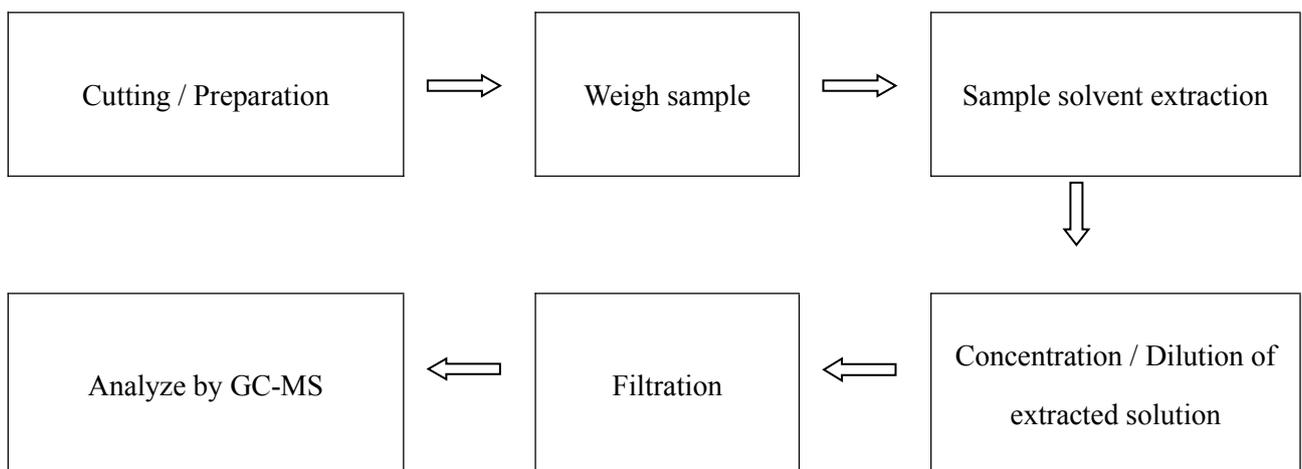
Nonmetal material



Metal material



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



*** End of Report ***

