

TEST REPORT

CheckCode:620542
Report No.:C202006247742E

Applicant: Shenzhen ailixin Optical Electronics Co., Ltd
Address: Industrial Road West, Buyong industry Zone D, Shajing street, Bao'an District, Shenzhen

The following sample information was submitted and identified by/on the behalf of the client

Name: Anodized surface of aluminum

Sample State: Normal

Date of Receipt: Jun. 29, 2020 **Test Period:** Jun. 29, 2020 – Jul. 3, 2020

Test Request: As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium [Cr(VI)], Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) content in the submitted sample(s).

Judge Standard: RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Test Result: Please refer to following page(s).

Conclusion: Based on the performed test on submitted sample, the result(s) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Edited by Li Qawen

Reviewed by Huang Yingkun

Approved by Zheng Xiaojing



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Seal of:

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Issue date: Jul. 3, 2020

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Sample description:

Sample No.	Description
1	Grey surfaced metal

Test method:

Test Item(s)	Test method	Measuring instrument	RoHS Limit
Lead (Pb)	IEC 62321-5:2013	ICP-OES	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	100mg/kg
Mercury (Hg)	IEC 62321-4:2013 +AMD1:2017	ICP-OES	1000mg/kg
Hexavalent Chromium [Cr(VI)]	IEC 62321-7-1:2015	UV-Vis	---
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	1000mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	1000mg/kg
Bis(2-ethylhexyl) phthalate (DEHP)	IEC 62321-8:2017	GC-MS	1000mg/kg
Benzyl butyl phthalate (BBP)	IEC 62321-8:2017	GC-MS	1000mg/kg
Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS	1000mg/kg
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	1000mg/kg

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Test result(s):

Test Item	Sample	Unit	MDL
	1		
Lead (Pb)	N.D.	mg/kg	2
Cadmium (Cd)	N.D.	mg/kg	2
Mercury (Hg)	N.D.	mg/kg	2
Hexavalent Chromium [Cr(VI)]	N.D.	mg/kg	8

Test Item	Sample	Unit	MDL
	1		
Sum of PBBs	N.D.	mg/kg	---
Monobromobiphenyl	N.D.	mg/kg	50
Dibromobiphenyl	N.D.	mg/kg	50
Tribromobiphenyl	N.D.	mg/kg	50
Tetrabromobiphenyl	N.D.	mg/kg	50
Pentabromobiphenyl	N.D.	mg/kg	50
Hexabromobiphenyl	N.D.	mg/kg	50
Heptabromobiphenyl	N.D.	mg/kg	50
Octabromobiphenyl	N.D.	mg/kg	50
Nonabromobiphenyl	N.D.	mg/kg	50
Decabromobiphenyl	N.D.	mg/kg	50
Sum of PBDEs	N.D.	mg/kg	---
Monobromodiphenyl ether	N.D.	mg/kg	50
Dibromodiphenyl ether	N.D.	mg/kg	50
Tribromodiphenyl ether	N.D.	mg/kg	50
Tetrabromodiphenyl ether	N.D.	mg/kg	50
Pentabromodiphenyl ether	N.D.	mg/kg	50
Hexabromodiphenyl ether	N.D.	mg/kg	50
Heptabromodiphenyl ether	N.D.	mg/kg	50

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Test Item	Sample	Unit	MDL
	1		
Octabromodiphenyl ether	N.D.	mg/kg	50
Nonabromodiphenyl ether	N.D.	mg/kg	50
Decabromodiphenyl ether	N.D.	mg/kg	50

Test Item	Sample	Unit	MDL
	1		
Bis(2-ethylhexyl) phthalate (DEHP)	N.D.	mg/kg	50
Benzyl butyl phthalate (BBP)	N.D.	mg/kg	50
Dibutyl phthalate (DBP)	N.D.	mg/kg	50
Diisobutyl phthalate (DIBP)	N.D.	mg/kg	50

Remark: 1) mg/kg = ppm
2) MDL = Method Detection Limit
3) "N.D." = Not Detected (Below Method Detection Limit)

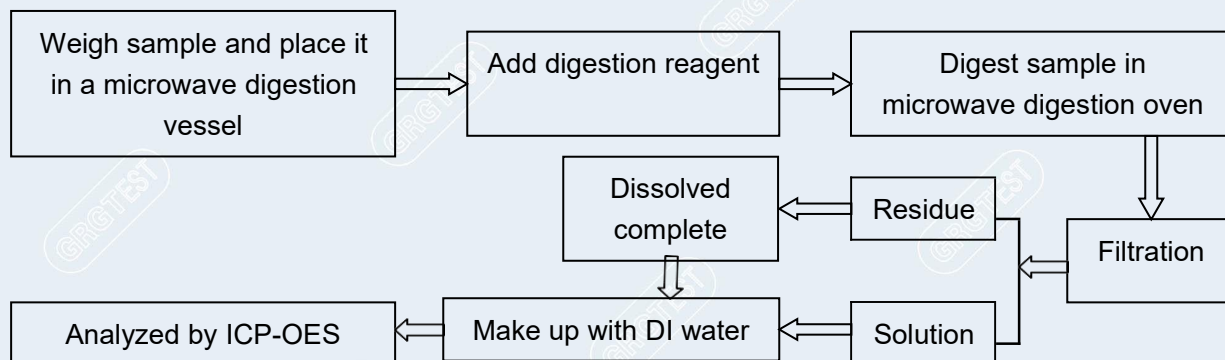
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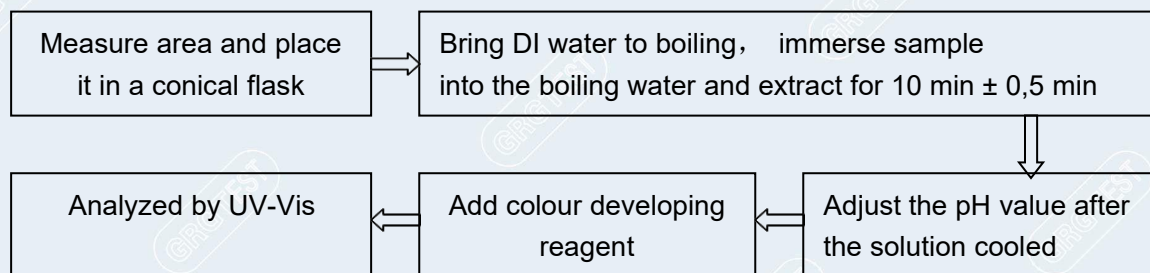
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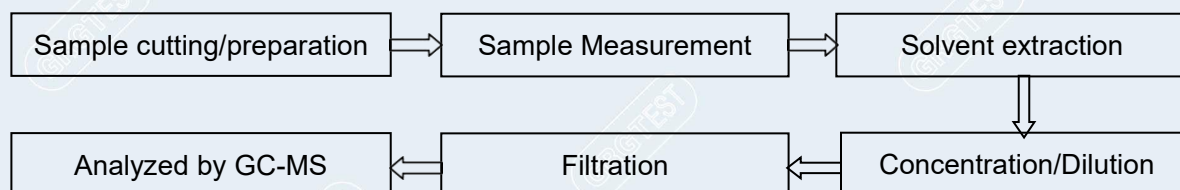
Test Process for Pb / Cd / Hg



Test Process for Cr (VI)



Test Process for PBBs & PBDEs



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Test Process for Phthalates

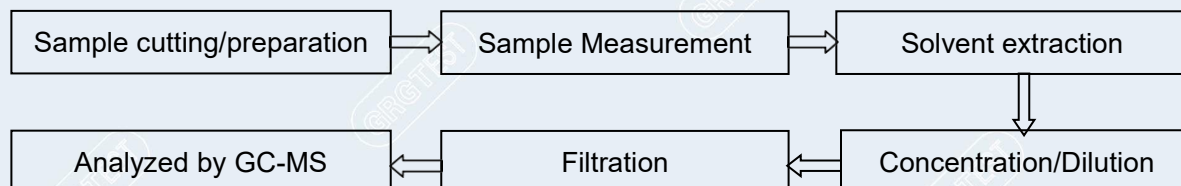
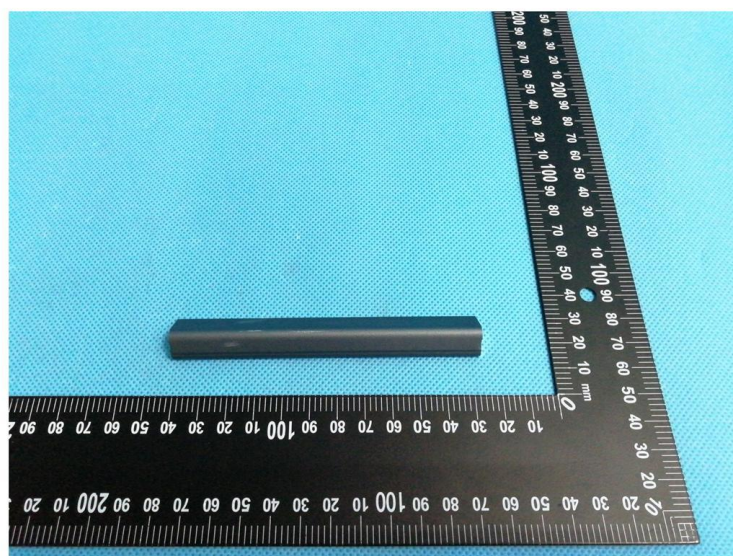


Photo of Sample



-----End of Report-----

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