



中国认可
国际互认
检测
TESTING
CNAS L6760

171020340088

Test Report

Report No: HAPER2103050102

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Applicant Jiangsu Dierite Optoelectronics Technology Co., Ltd

Address NO. 1 Heshucunheshu Lijia Town, Wujin District, Changzhou City

Sample Information

Sample Name Fiber optic cable

Material information

NO.	Material Name
01-1	Fiber optic cable
01-2	Fiber optic cable: fiber core

*The information above is provided and confirmed by the applicant.

Sample Received Date Mar.31,2021

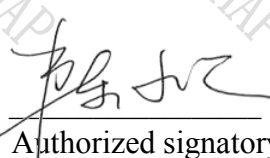
Testing Period Mar.31,2021 to Apr.07,2021

Testing Requested As per client's request, to determine the RoHS 2.0 (Pb,Cd,Hg,Cr⁶⁺, PBBs, PBDEs,DBP, BBP,DEHP,DIBP) in the submitted sample 01-1,01-2 according to RoHS Directive (EU)2015/863 Annex II.

Testing Results Please refer to next page(s)

Remark

Based on the test samples 01-1,01-2, the test results of Cadmium(Cd),Lead(Pb),Mercury(Hg), Hexavalent Chromium (Cr⁶⁺), The sum of Polybrominated Biphenyls(PBBs) and The sum of Polybrominated Diphenyl Ethers(PBDEs), Dibutyl Phthalate (DBP), Benzylbutyl Phthalate (BBP), Bis-(2-ethylhexyl) Phthalate (DEHP), Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU)2015/863 Annex II.

Signer: 
Authorized signatory

Date: Apr.07,2021

[Website of verification report: CNCA verification platform yz.cnca.cn](http://www.cnca.cn)



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Determination of RoHS 2.0 (unit: mg/kg)

- Testing method**
- (1) With reference to IEC 62321-5:2013. By ICP - OES for measuring;
 - (2) With reference to IEC 62321-4: 2013+Amd1: 2017. By ICP-OES for measuring;
 - (3) With reference to IEC 62321-7-2-2017. By UV-VIS for measuring;
 - (4) With reference to IEC 62321-6:2015. By GC-MS for measuring;
 - (5) With reference to IEC 62321-8:2017. By GC-MS for measuring.

Testing Item(s)	Method	MDL	Limit	Results	
				01-1	01-2
Lead (Pb)	(1)	2	1000	ND	ND
Cadmium (Cd)		2	100	ND	ND
Mercury (Hg)	(2)	2	1000	ND	ND
Chromium(VI) (Cr ⁶⁺)	(3)	8	1000	ND	ND
Polybrominated Biphenyls (PBBs)	(4)	—	1000	ND	ND
Polybrominated Diphenyl Ethers (PBDEs)		—	1000	ND	ND
Dibutyl Phthalate (DBP)	(5)	50	1000	ND	ND
Benzylbutyl Phthalate (BBP)		50	1000	ND	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)		50	1000	848	ND
Diisobutyl phthalate (DIBP)		50	1000	ND	ND

Note:

- (1) 1 mg/kg=1 ppm=0.0001%
- (2) MDL=Method Detection Limit
- (3) ND=Not Detected (<MDL)
- (4) "—" =Not Regulated
- (5) Polybrominated Biphenyls, Polybrominated Diphenyl Ethers list, and detection limit (MDL)

Polybrominated Biphenyls (PBBs)	MDL	Polybrominated Diphenyl Ethers (PBDEs)	MDL
Bromobiphenyl	5	Bromobiphenyl ether	5
Dibromobiphenyl	5	Dibromobiphenyl ether	5
Tribromobiphenyl	5	Tribromobiphenyl ether	5
Tetrabromobiphenyl	5	Tetrabromodiphenyl ether	5
Pentabromobiphenyl	5	Pentabromodiphenyl ether	5
Hexabromobiphenyl	5	Hexabromodiphenyl ether	5
Heptabromobiphenyl	5	Heptabromodiphenyl ether	5
Octabromobiphenyl	5	Octabromobiphenyl ether	5
Nonabromobiphenyl	5	Nonabromobiphenyl ether	5
Marabromodiphenyl	5	Marabromobiphenyl ether	5

(6) 01-1 test wire skin, 01-2 test core



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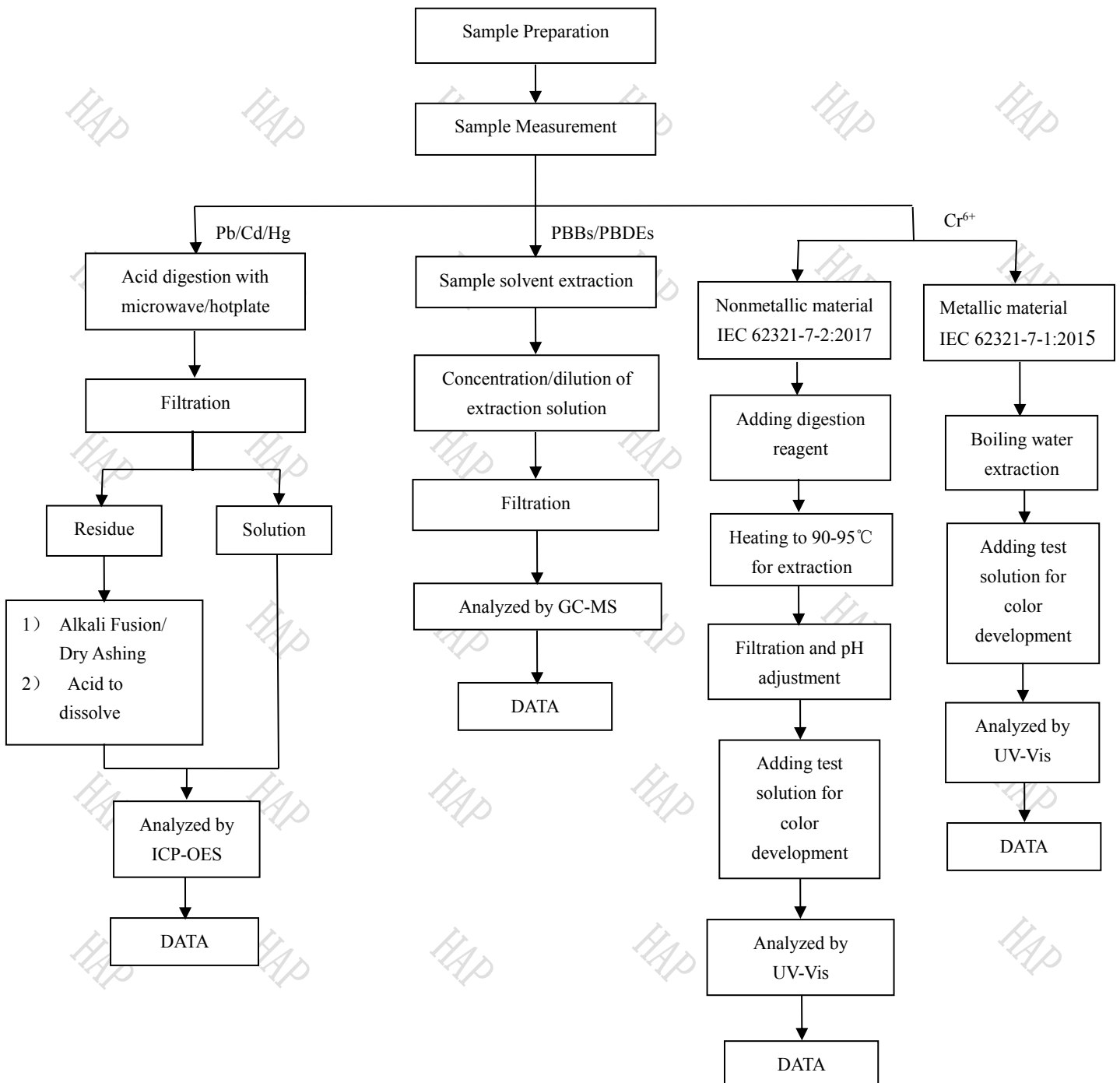
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Annex

RoHS Testing Flow Chart

The sample was dissolved totally according to the following procedure (except for Hexavalent Chromium (Cr^{6+}), The sum of Polybrominated Biphenyls(PBBs) and The sum of Polybrominated Diphenyl Ethers(PBDEs) tests).

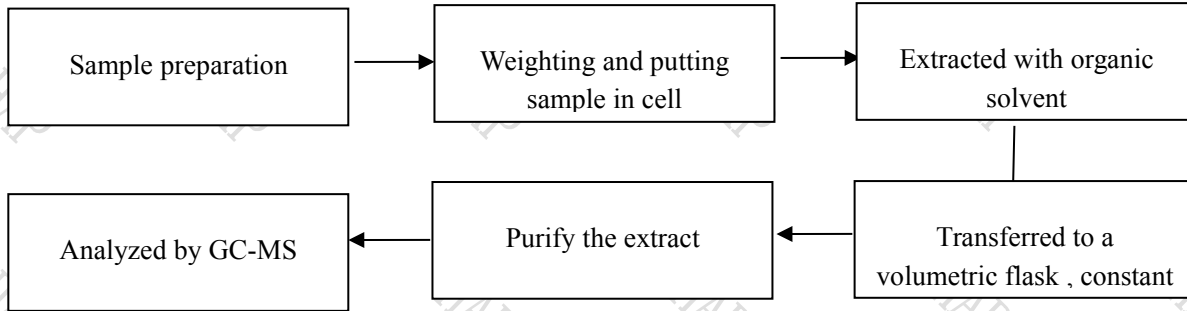


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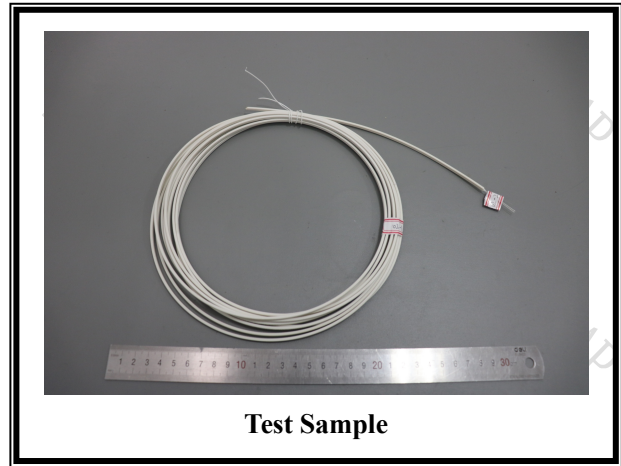
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Phthalate Testing Flow Chart:



Sample photo:



End of report



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