



中国认可  
国际互认  
检测  
TESTING  
CNAS L6760

171020340088

# Test Report

Report No: HAPER2103050101

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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            Optical cable

### Material information

NO.	Material Name
01-1	Optical cable: LSZH
01-2	Optical cable: connector

\*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

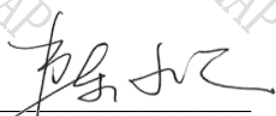
**Testing Requested**    As per client's request,to determine the RoHS 2.0 (Pb,Cd,Hg,Cr<sup>6+</sup>, PBBs, PBDEs,DBP, BBP,DEHP,DIBP) in the submitted sample 01-1,01-2 according to RoHS Directive (EU)2015/863 Annex II.

**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 (Cr<sup>6+</sup>),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 <sup>6+</sup> )	(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	ND	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 green plastic



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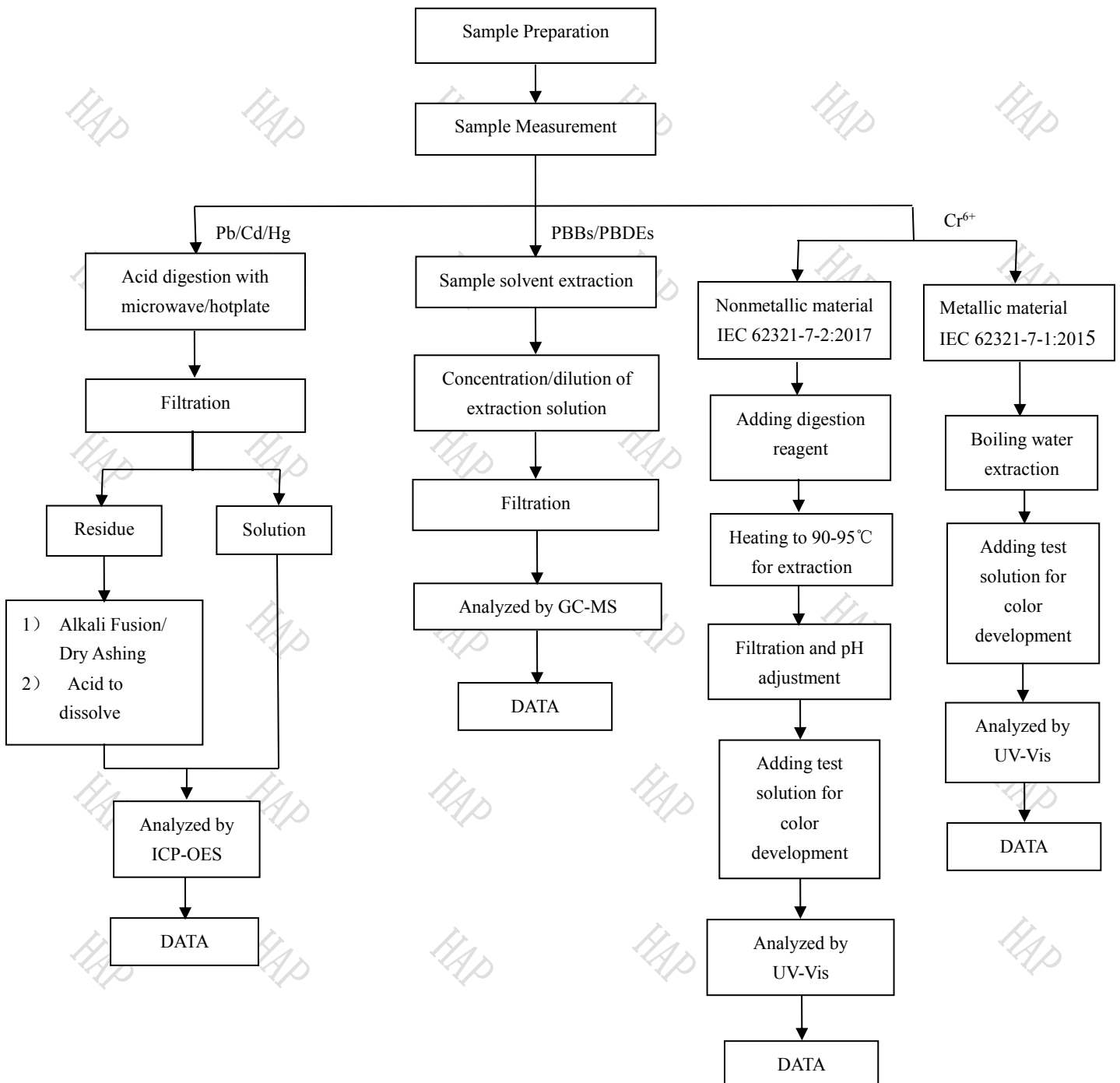
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Annex

## RoHS Testing Flow Chart

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

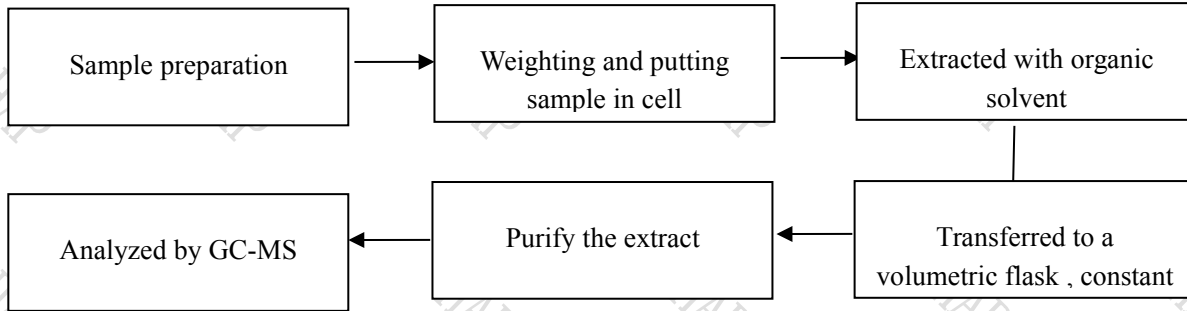


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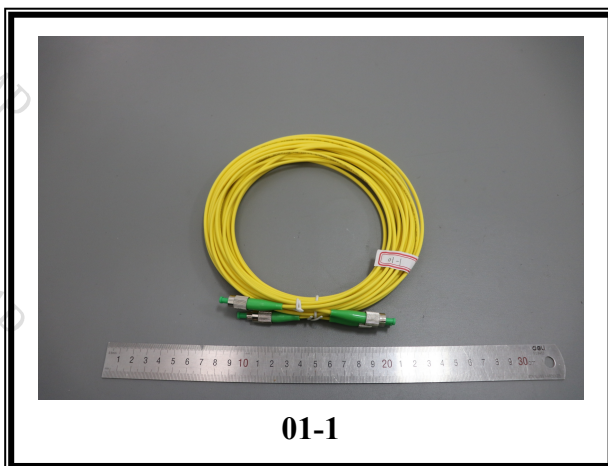
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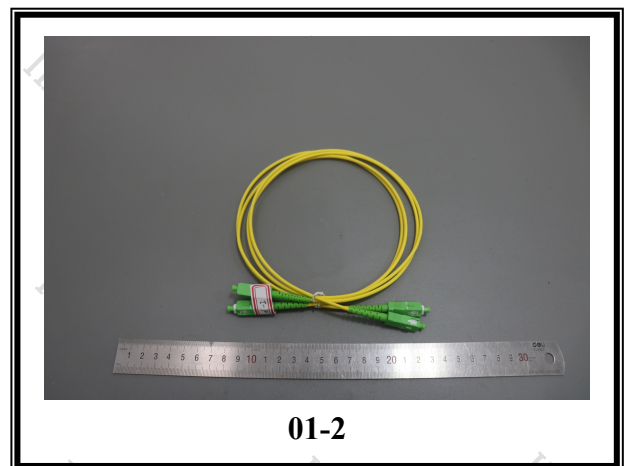
## Phthalate Testing Flow Chart:



Sample photo:



01-1



01-2

\*\*\*End of report\*\*\*



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