





Test Report

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Applicant Dierite Optoelectronics Technology Co., Ltd Jiangsu

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

Sample Information

Sample Name Splitter

Material information

À,	NO.		Material Name		
410	01-1		Splitter: LSZH		
	01-2		Splitter		
	01-3		Splitter		

^{*}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,

> (1) 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.

> (2) to determine the RoHS 4 (Pb,Cd,Hg,Cr⁶⁺) in the submitted sample 01-3 according

to RoHS Directive 2011/65/EU Annex II

Testing Results Please refer to next page(s)

Remark

(1) 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.

(2) Based on the test samples 01-3, the test results of Cadmium(Cd), Lead(Pb),

Mercury(Hg), Hexavalent Chromium (Cr⁶⁺) comply with the limits as set by RoHS Directive

2011/65/EU Annex II;recasting 2002/95/EC.

Signer: uthorized signatory

Website of verification report: CNCA verification platform yz.cnca.cn







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1.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.

with reference to the 02521 0.2017. By Ge 1415 for incusting.					
Testing Item(s)	Method	MDL	Limit	Results	
resting item(s)				01-1	01-2
Lead (Pb)	(1)	2	1000	ND	ND
Cadmium (Cd)	(1)	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	400	ND
Diisobutyl phthalate (DIBP)		50	1000	70	67

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		Tetrabromodiphenyl ether	5
Pentabromobiphenyl	5	Pentabromodiphenyl ether	5
Hexabromobiphenyl	5	Hexabromodiphenyl ether	5/
Heptabromobiphenyl	5	Heptabromodiphenyl ether	5
Octabromobiphenyl	5	Octabromobiphenyl ether	5
Nonabromobiphenyl Marabromodiphenyl		Nonabromobiphenyl ether	5
		Marabromobiphenyl ether	5

(6) 01-1 test wire skin, 01-2 test black box

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Adderss:NO.198 Wuzhou East Road, economic and technological development zone, Yang Zhou **6**: 400-6600-776 **1**: 0514-89711561 E-mail: hap@hap-test.com URL: www.hap-test.com









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2.Determination of RoHS 4

Testing method

- (1) With reference to IEC 62321-5:2013. By ICP OES for measuring;
- (2) With reference to IEC62321-4: 2013+Amd1: 2017. By ICP-OES for measuring;
- (3) With reference to IEC 62321-7-1:2015. By UV-VIS for measuring;

\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						
Testing Item(s)			Method	MDL	Limit	01-3
	Lead (Pb)	(mg/kg)	(1)	2	1000	ND
	Cadmium (Cd)	(mg/kg)	(1)	2	100	ND
,	Mercury (Hg)	(mg/kg)	(2)	2	1000	ND
	Chromium (Cr ⁶⁺)	(µg/cm²)	(3)	0.10		ND

Note:

- (1) 1mg/kg=1ppm=0.0001%
- (2) MDL=Method Detection Limit
- (3) ND=Not Detected
- (4) "—" =Not Regulated
- (5) Sample test metal substrate

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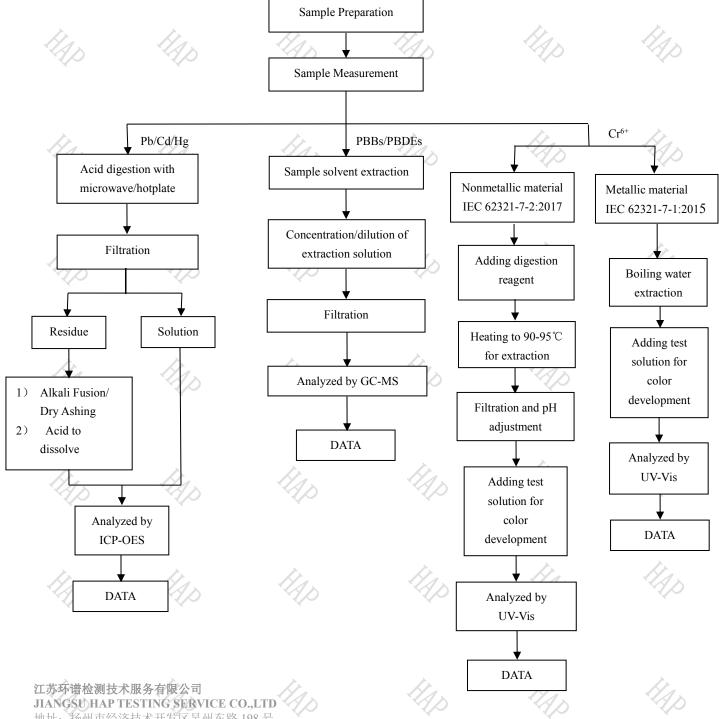
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Annex

RoHS Testing Flow Chart

The sample was dissolved totally according to the following procedure (except for Hexavalent Chromium (Cr⁶⁺),The sum of Polybrominated Biphenyls(PBBs) and The sum of Polybrominated Diphenyl Ethers(PBDEs) tests).



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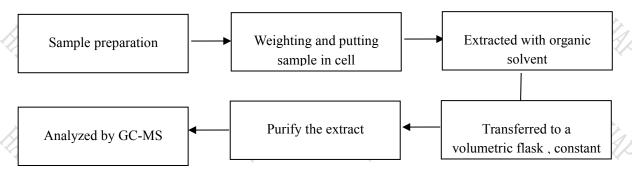


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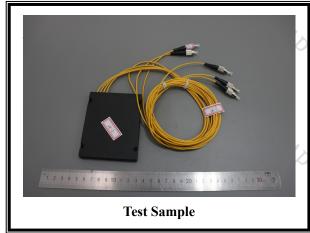
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Phthalate Testing Flow Chart:



Sample photo:





End of report

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