

Test Report

No. CANEC1818749501

Date: 18 Sep 2018

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FUJIAN LIGHTNING OPTOELECTRONIC CO.,LTD

OPTOELECTRONIC INDUSTRY PARK,HUTOU TOWN,ANXI COUNTY QUANZHOU CITY,FUJIAN
PROVINCE 362411,P.R.CHINA

This report is to supersede test report CANEC1818119405

The following sample(s) was/were submitted and identified on behalf of the clients as : Photo Coupler(White, Green)

SGS Job No. : CP18-050591 - SZ

Model No. : TD814-G Series, TD810-G Series, TD851-G Series, TD816L-G Series, TD816-G Series, TD817-G Series, TD818-G Series, TD819-G Series, TD8145-G Series, TD815-G Series, TD852-G Series, TD30XX-4L-G Series, TDR21X-4L-G Series, TDR41X-4L-G Series, TDL359-G Series, TDL3545-G Series, TDL355-G Series, TDL352-G Series, TDL30XX-G Series, TDLR21X-G Series, TDLR41X-G Series, TDL501-G Series, TDL601-G Series, TDL701-G Series, TD354-G Series, TD351-G Series, TD356L-G Series, TD356-G Series, TD357-G Series, TD358-G Series, TD359-G Series, TD3545-G Series, TD355-G Series, TD352-G Series, TDM30XX-G Series, TD152-G Series, TD155E-G Series, TD155ER-G Series, TDM501-G Series, TDM501R-G Series, TDM601-G Series, TDM601R-G Series, TDM701-G Series ,TD101X-G Series ,TD111X-G Series mixture

Date of Sample Received : 03 Sep 2018

Testing Period : 03 Sep 2018 - 06 Sep 2018

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).



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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Annie Ren

Annie Ren
Approved Signatory



Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN18-187495.002	"Photo Coupler(White, Green)"

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Elementary Analysis, Flame Retardants & Phthalate(s)

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	ND
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (CrVI)	mg/kg	8	ND
Sum of PBBs	mg/kg	-	ND
Monobromobiphenyl	mg/kg	5	ND
Dibromobiphenyl	mg/kg	5	ND
Tribromobiphenyl	mg/kg	5	ND
Tetrabromobiphenyl	mg/kg	5	ND
Pentabromobiphenyl	mg/kg	5	ND
Hexabromobiphenyl	mg/kg	5	ND
Heptabromobiphenyl	mg/kg	5	ND
Octabromobiphenyl	mg/kg	5	ND
Nonabromobiphenyl	mg/kg	5	ND
Decabromobiphenyl	mg/kg	5	ND
Sum of PBDEs	mg/kg	-	ND
Monobromodiphenyl ether	mg/kg	5	ND
Dibromodiphenyl ether	mg/kg	5	ND
Tribromodiphenyl ether	mg/kg	5	ND
Tetrabromodiphenyl ether	mg/kg	5	ND
Pentabromodiphenyl ether	mg/kg	5	ND



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<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Hexabromodiphenyl ether	mg/kg	5	ND
Heptabromodiphenyl ether	mg/kg	5	ND
Octabromodiphenyl ether	mg/kg	5	ND
Nonabromodiphenyl ether	mg/kg	5	ND
Decabromodiphenyl ether	mg/kg	5	ND
Dibutyl phthalate (DBP)	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	mg/kg	50	ND

Notes :

(1) IEC 62321 series is equivalent to EN 62321 series

http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

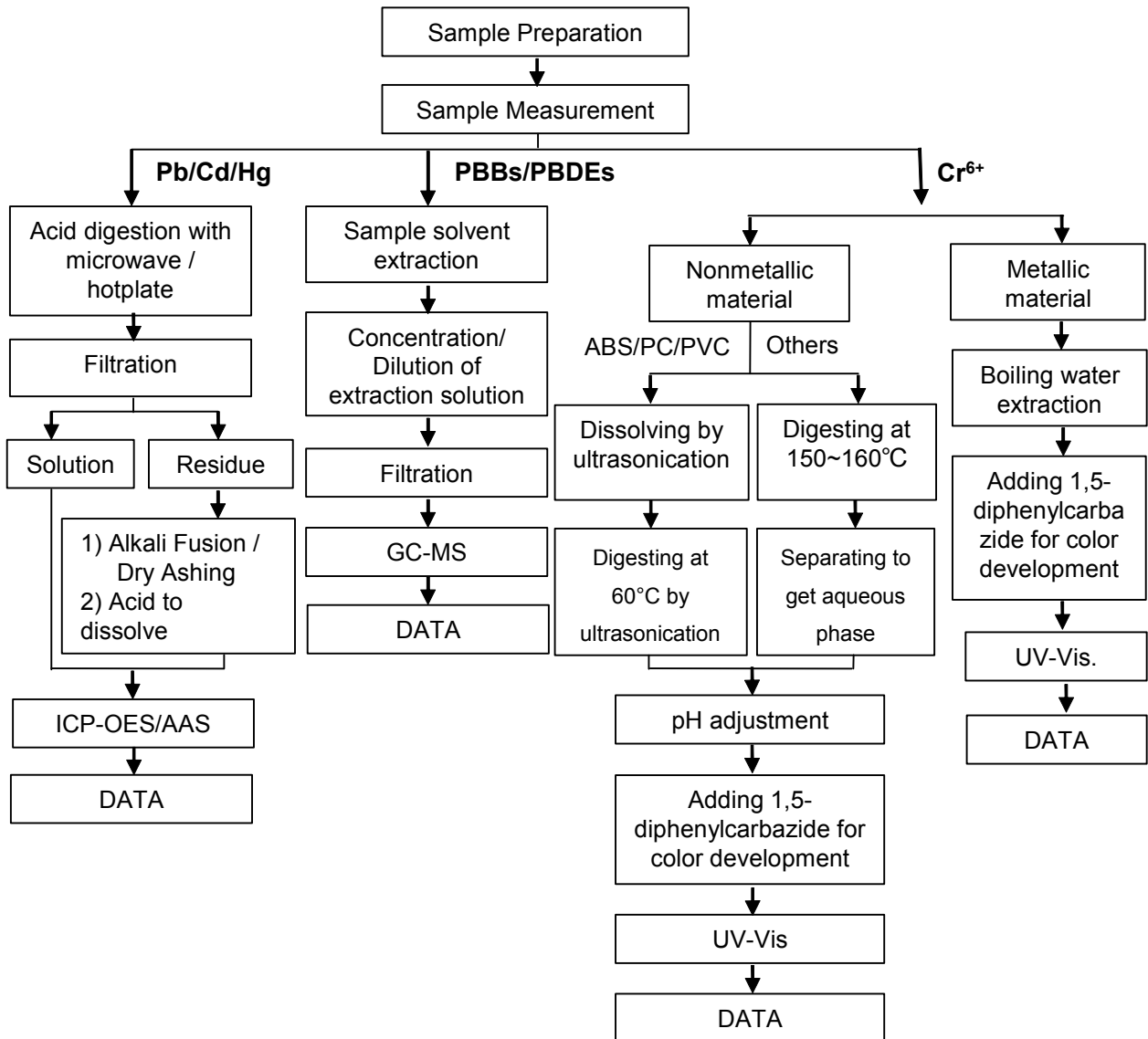
Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.



ATTACHMENTS

Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

- 1) Name of the person who made testing: Edith Zhang / Sunny Hu
- 2) Name of the person in charge of testing: Bella Wang / Qiong Liu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ and PBBs/PBDEs test method excluded).



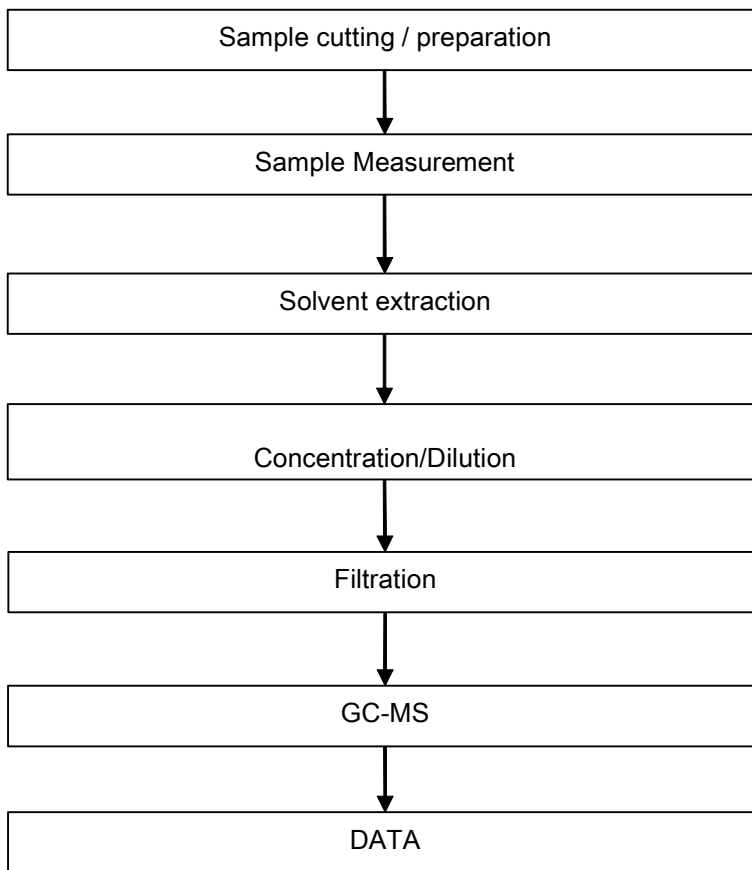
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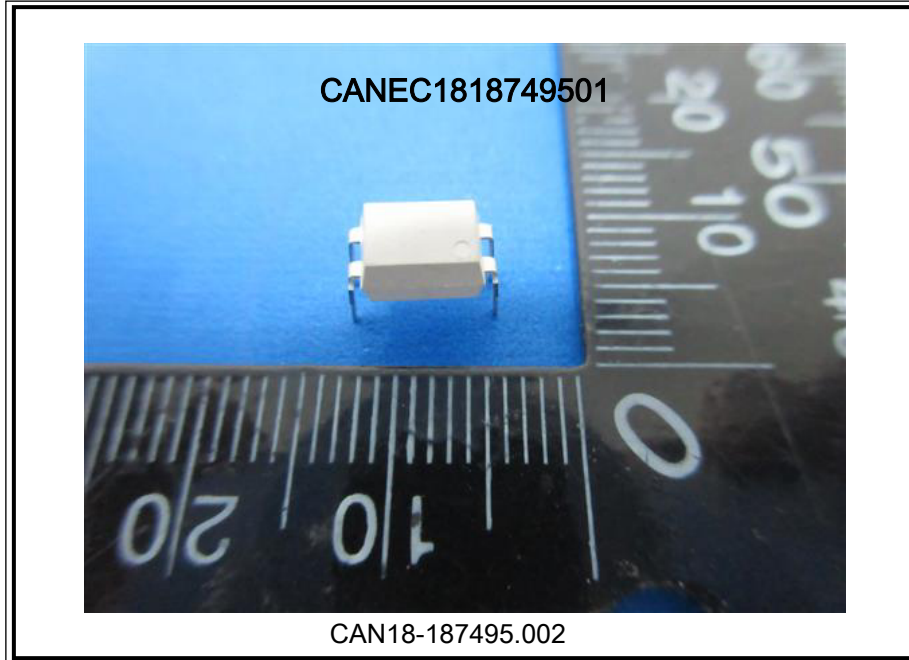
ATTACHMENTS

Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Sunny Hu
- 2) Name of the person in charge of testing: Qiong Liu



Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

