

Test Report

No. CANEC1319289602 A01

Date: 13 Dec 2013

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HUAAN LIMITED

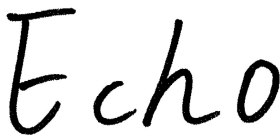
A08 ROOM B.14/F WAH HEN COMM CTR 383 HENNESSY RD WANCHAI HONG KONG
SHENZHEN HUAXINAN ELECTRONICS CO.,LTD
4TH FLOOR,BUILDING 5,ALLEY2,CENTER DISTRICT 2,ZHONGWU NEW DISTRICT,XIXIANG TOWN,BAOAN
DISTRICT,SHENZHEN CITY,GUANGDONG PROVINCE,CHINA

This report is to supersede test report CANEC1319289601

The following sample(s) was/were submitted and identified on behalf of the clients as : SIDACTor Protection
Thyristors

SGS Job No. : CP13-063450 - SZ
Model No. : P0720EC
Client Ref. Info. : PLEASE SEE REMARK
Date of Sample Received : 10 Dec 2013
Testing Period : 10 Dec 2013 - 13 Dec 2013
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).

Signed for and on behalf of
SGS-CSTC Ltd.



Echo Yeung
Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN13-192896.001	Black body w/ gray printing & silvery metal pin(mixed)

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

- Test Method :
- (1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 - (2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 - (3)With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 - (4)With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
 - (5)With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	1453
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (CrVI)	mg/kg	2	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

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<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Dibromodiphenyl ether	mg/kg	5	ND
Tribromodiphenyl ether	mg/kg	5	ND
Tetrabromodiphenyl ether	mg/kg	5	ND
Pentabromodiphenyl ether	mg/kg	5	ND
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

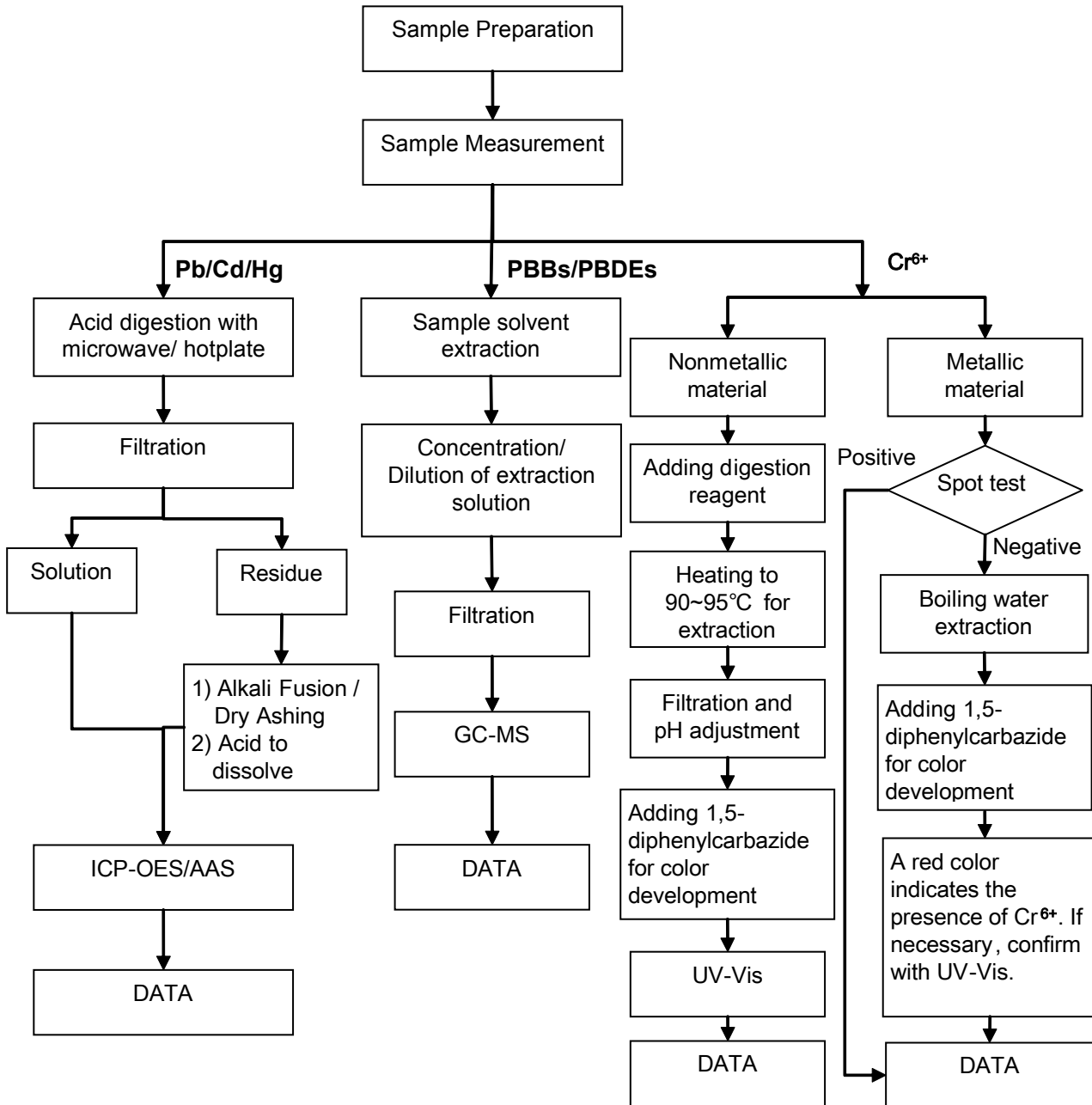
Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Michael Tso / Cutey Yu
- 2) Name of the person in charge of testing: Adams Yu / Yolanda Wei
- 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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REMARK:

P-0080-E/S/L/T/A-A/B/C-L-MC,P-0300-E/S/L/T/A-A/B/C-L-MC,

P-0640-E/S/L/T/A-A/B/C-L-MC,P-0720-E/S/L/T/A-A/B/C-L-MC,

P-0800-E/S/L/T/A-A/B/C-L-MC,P-0900-E/S/L/T/A-A/B/C-L-MC,

P-1100-E/S/L/T/A-A/B/C-L-MC,P-1300-E/S/L/T/A-A/B/C-L-MC,

P-1500-E/S/L/T/A-A/B/C-L-MC,P-1800-E/S/L/T/A-A/B/C-L-MC,

P-2000-E/S/L/T/A-A/B/C-L-MC,P-2300-E/S/L/T/A-A/B/C-L-MC,

P-2600-E/S/L/T/A-A/B/C-L-MC,P-3100-E/S/L/T/A-A/B/C-L-MC,

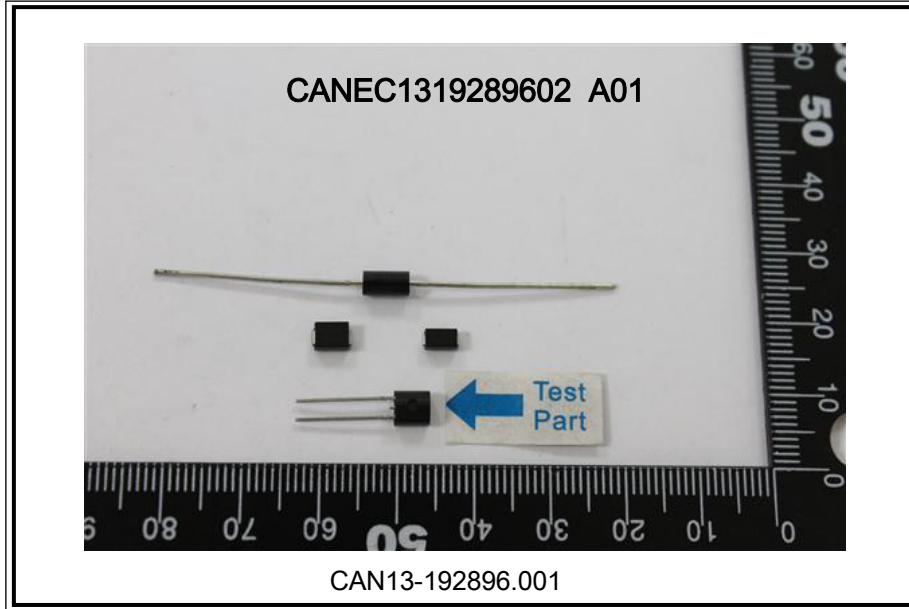
P-3500-E/S/L/T/A-A/B/C-L-MC,P-4000-E/S/L/T/A-A/B/C-L-MC,

P-4500-E/S/L/T/A-A/B/C-L-MC,P-5000-E/S/L/T/A-A/B/C-L-MC,

P-008-A/B/C,S-008-A/B/C,P-XX-A/B/C(XX:03-50), P-XX-L-A/B/C(XX:03-50)

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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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