

Test Report

No. SZXEC2003184302

Date: 24 Dec 2020

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SHENZHEN CANAFULL TECHNOLOGY CO., LTD

BLOCK 19A ZHONGHAIXIN TECH. PARK, LONGGANG DISTRICT, SHENZHEN

The following sample(s) was/were submitted and identified on behalf of the clients as : Conductive Fabric Adhesive

SGS Job No. : RP20-028008 - SZ

Model No. : HH-5203S

Client Ref. Info. : PLEASE SEE REMARK

Date of Sample Received : 18 Dec 2020

Testing Period : 18 Dec 2020 - 24 Dec 2020

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).

Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

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

Andy

Andy Ni
Approved Signatory

scan to see the report



SZXEC2003184302



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX20-031843.002	Gray double-side adhesive fabric

Remarks :

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

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit	MDL	002
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	ND
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1,000	mg/kg	8	ND
Sum of PBBs	1,000	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	1,000	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>Limit</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)	1000	mg/kg	50	ND
Butyl benzyl Phthalate (BBP)	1000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

IEC 62321 series is equivalent to EN 62321 series

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

(2) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

(3) The restriction of DEHP, BBP, DBP and DIBP shall not apply to toys which are already subject to the restriction of DEHP, BBP, DBP and DIBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.

Halogen

Test Method : With reference to EN 14582:2016, analysis was performed by IC.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND

Elementary Analysis

Test Method : SGS In-house method (SGS-CCL-SOP-019-23, with reference to US EPA Method 3052:1996), analysis was performed by ICP-OES.



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<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Antimony (Sb)	mg/kg	10	48
Beryllium (Be)	mg/kg	5	ND



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REMARK:

HH-5103S	CNF-T103s-A	CT103s-A
HH-5105S	CNF-T105s-A	CT105s-A
HH-5103ST	HH-5105ST	HH-5205ST
HH-5105SP	CNF-T105s-AP	CT105s-AP
HH-5106S	CNF-T106s-A	CT106s-A
HH-5110S	CNF-T110s-A	CT110s-A
HH-5115S	CNF-T115s-A	CT115s-A
HH-5120S	CNF-T120s-A	CT120s-A
HH-5125S	CNF-T125s-A	CT125s-A
HH-5130S	CNF-T130s-A	CT130s-A
HH-51xxS	CNF-T1xxs-A	CT1xxs-A
HH-51xxP	CNF-T1xxs-AP	CT1xxs-AP
HH-5203S	CNF-T103d-A	CT103d-A
HH-5203SR	HH-xxSR	HH-5210SP
HH-51xxST	HH-52xxST	
HH-5205S	CNF-T105d-A	CT105d-A
HH-5206S	CNF-T106d-A	CT106d-A
HH-5210S	CNF-T110d-A	CT110d-A
HH-5215S	CNF-T115d-A	CT115d-A
HH-5220S	CNF-T120d-A	CT120d-A
HH-5220SP	CNF-T120d-AP	CT120d-AP
HH-5225S	CNF-T125d-A	CT125d-A
HH-5230S	CNF-T130d-A	CT130d-A
HH-52xxS	CNF-T1xxd-A	CT1xxd-A
HH-52xxSP	CNF-T1xxd-AP	CT1xxd-AP
HH-5103B	CNF-T103s-B	CT103s-B
HH-5105B	CNF-T105s-B	CT105s-B
HH-5106B	CNF-T106s-B	CT106s-B
HH-5110B	CNF-T110s-B	CT110s-B
HH-5115B	CNF-T115s-B	CT115s-B
HH-5120B	CNF-T120s-B	CT120s-B
HH-5125B	CNF-T125s-B	CT125s-B
HH-5130B	CNF-T130s-B	CT130s-B
HH-51xxB	CNF-T1xxs-B	CT1xxs-B



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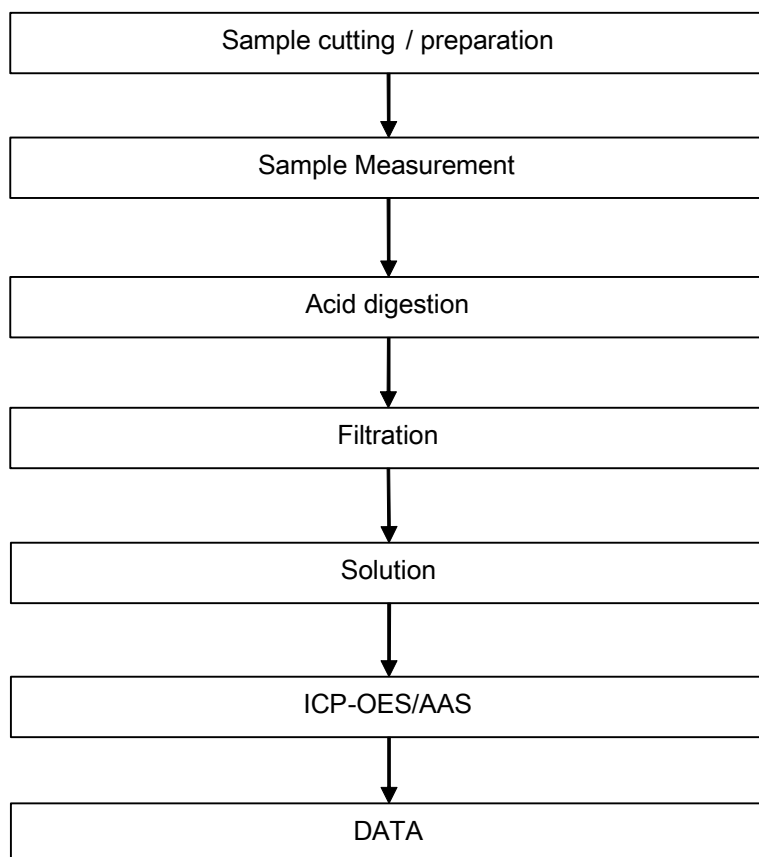
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HH-5203B	CNF-T103d-B	CT103d-B
HH-5205B	CNF-T105d-B	CT105d-B
HH-5206B	CNF-T106d-B	CT106d-B
HH-5210B	CNF-T110d-B	CT110d-B
HH-5215B	CNF-T115d-B	CT115d-B
HH-5220B	CNF-T120d-B	CT120d-B
HH-5225B	CNF-T125d-B	CT125d-B
HH-5230B	CNF-T130d-B	CT130d-B
HH-52xxB	CNF-T1xxd-B	CT1xxd-B
HH-5103T	CNF-F103s-A	CF103s-A
HH-5105T	CNF-F106s-A	CF106s-A
HH-5110T	CNF-F110s-A	CF110s-A
HH-5120T	CNF-F120s-A	CF120s-A
HH-51xxT	CNF-F1xxs-A	CF1xxs-A
HH-5203T	CNF-F103d-A	CF103d-A
HH-5205T	CNF-F106d-A	CF106d-A
HH-5210T	CNF-F110d-A	CF110d-A
HH-5220T	CNF-F120d-A	CF120d-A
HH-52xxT	CNF-F1xxd-A	CF1xxd-A

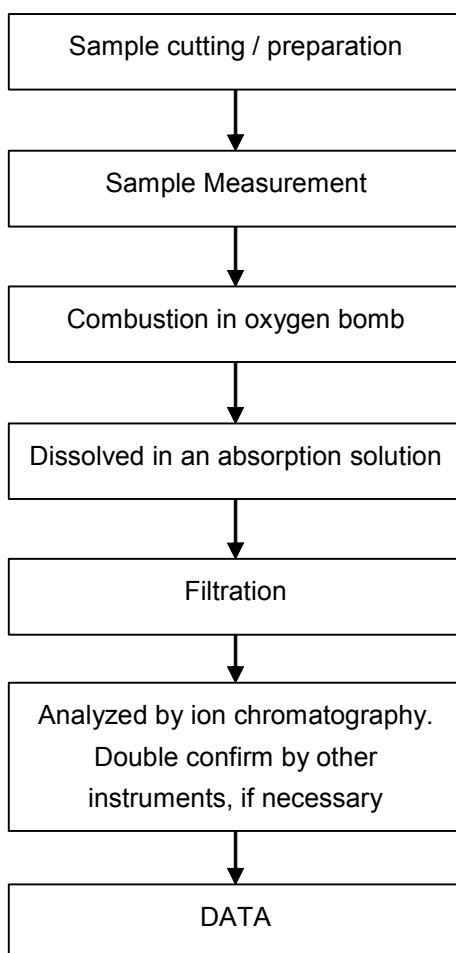
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Elementary Testing Flow Chart



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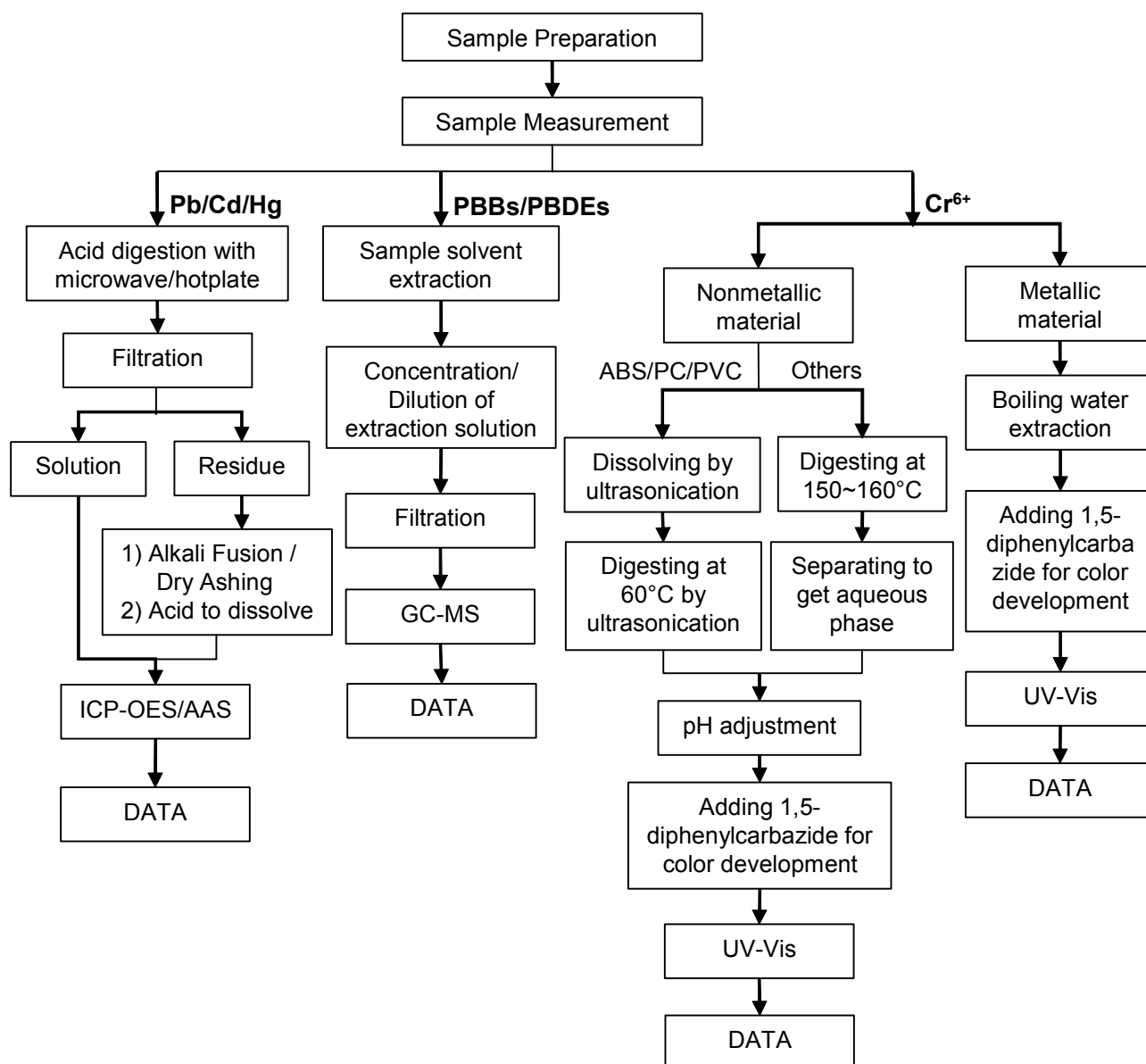
Halogen Testing Flow Chart



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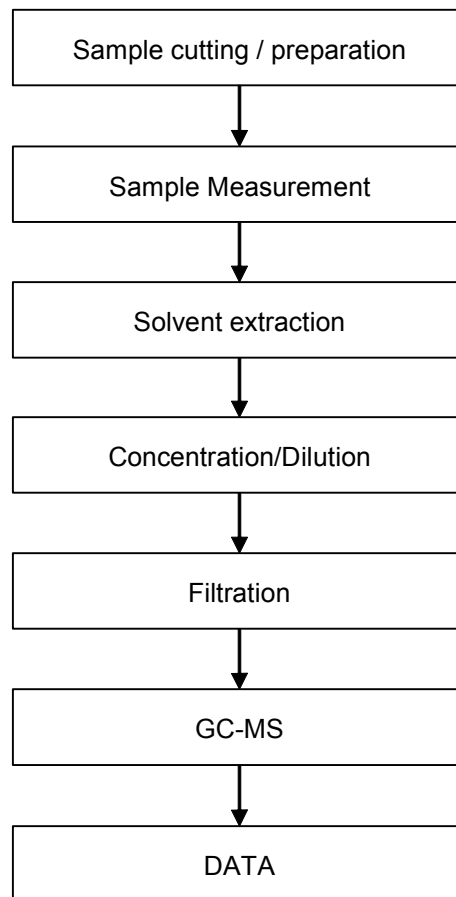
Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

1) 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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Phthalates Testing Flow Chart



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Sample photo:



SGS authenticate the photo on original report only

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