

Test Report

No. SZXEC2003307901

Date: 07 Jan 2021

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SHENZHEN KINGCAITU INK TECHNOLOGY CO., LTD

2F,39TH,YUANSAN INDUSTRIAL ZONE,GONGMING STREET,GUANGMING NEW DISTRICT ,SHENZHEN
SHENZHEN ACCO TECHNOLOGY CO., LTD

UNIT1003,BLOCK4,HONGFUYAYUAN,AREA46,BAOAN DISTRICT,SHENZHEN
DONGGUAN POLIMEI INK TECHNOLOGY CO., LTD.

NO34,NANMIANXINWUXIA VILLAGE,XIEGANG TOWN,DONGGUAN

The following sample(s) was/were submitted and identified on behalf of the clients as : King Cai Ink

SGS Job No. : RP20-028653 - SZ

Client Ref. Info. : PLEASE SEE REMARK

Date of Sample Received : 31 Dec 2020

Testing Period : 31 Dec 2020 - 07 Jan 2021

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

Ford Shi
Approved Signatory

scan to see the report



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Shenzhen Branch Testing Laboratory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX20-033079.001	Grey paste

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	001
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>001</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)	1,000	mg/kg	50	ND
Butyl benzyl Phthalate (BBP)	1,000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	1,000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1,000	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.



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REMARK:↵

NO↵	Sample Name↵	Sample Description↵	Part No↵
1↵	PS/PS*L/SQ/JC/JCS/JM/ABS/ABS*L/ABS*B/ABS*X/TPR/TPRB/SPV/SV/PET/PET*C/PET*C2/PET*L1/PET*L2/PB/PY/TPY/EP/EP*L/KD/KD*L/PYA/PYB/IR/QEA/OPP/LET/ETW/SPL/PC/SPT/UV/UVS/UVS*A/UVS*B/UVS*P/UVS*E/S02/S03/S03*C2/S03*L1/S03*L2//S05/S07/S08/S09/UV13/UV18/UV19/UV23/UV32/ SERIES↵	GRAY INK↵	010,0100,0101,0102,0103,110,1100,102,104,012,012A1,012A2,012M,012T,014,014A,014A1,014A2,014A3,014T,014TA,1002,1004,901.203,206,209,2003,2006,2009,023,026,029,731,923.030,032,033,034,035,038,302,3038,304,305,3000,3002,3004,3005,3008,733,734,759,760,932,934,959.040,041,043,044,046,048,401,403,404,406,408,4001,4003,4004,4006,4008,748,941,944,050,500A,500A1,501,051,051A,051A1,051A2,051A3,051A4M,051M,051C,051T,5001,951,061,062,601,6001,740,961,131,133,134,140,148,158,159,160,161,01,01C,01C1,02,03A,113,8041,801,802,803,804,805,806,807,808,809,810,811,877C,T-2A/T-3A/T-3B/T-7A/T-16A/T-16B/T-23A/T-23B/T-26A/T-186A/T-186J/T-186P/T-240A/T-320A/T-320F/AB514/AB515/AB516/AC053/AC054/AC053P/AC054P/AC205/AC206/AC210/EPG-01/EPG-02/PP-113/TY-111//A95/A96/M69/T-965/Y-01/T-1000/200/300/400/500 MIXED↵



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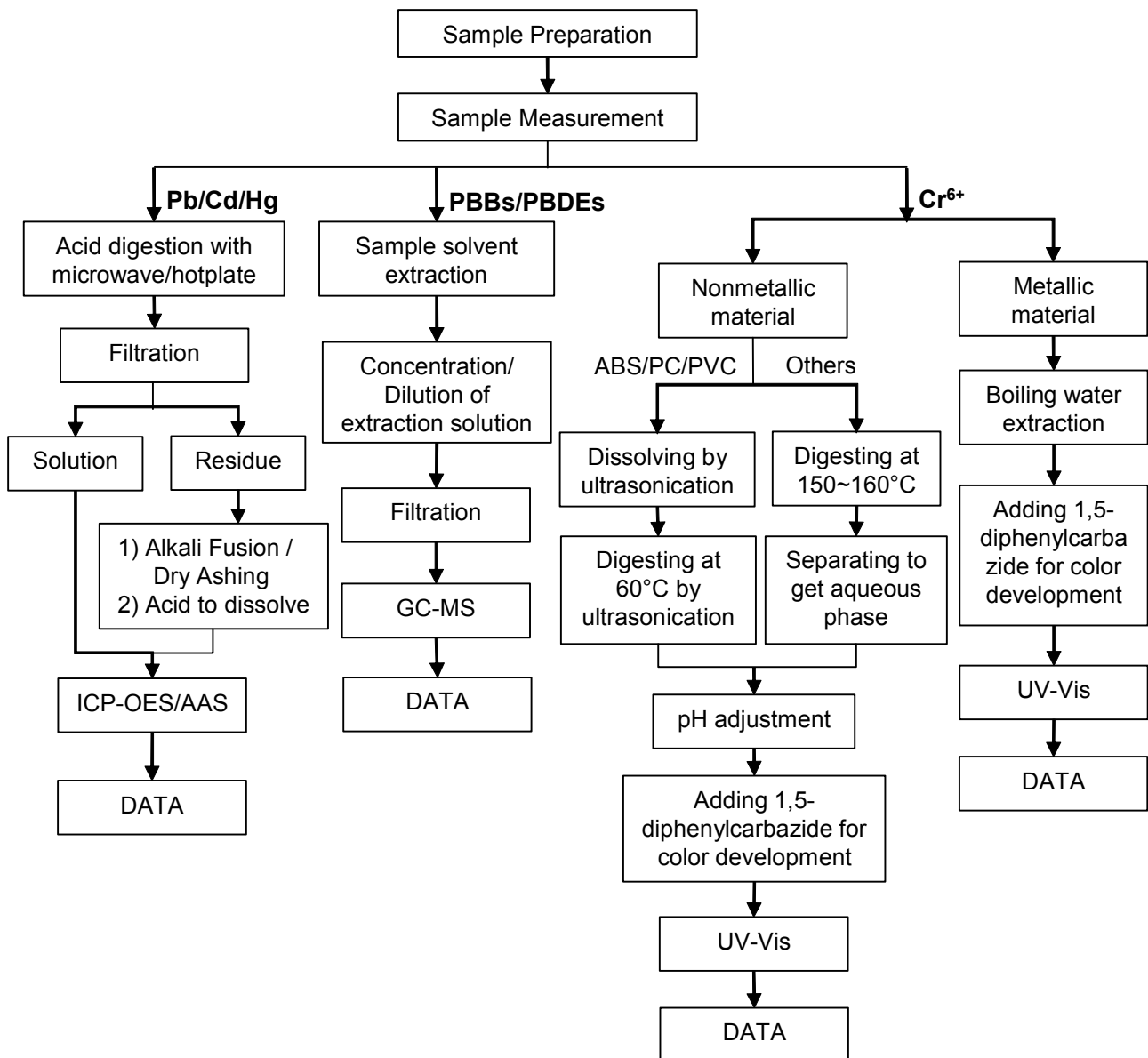
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Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ and PBBs/PBDEs test method excluded).

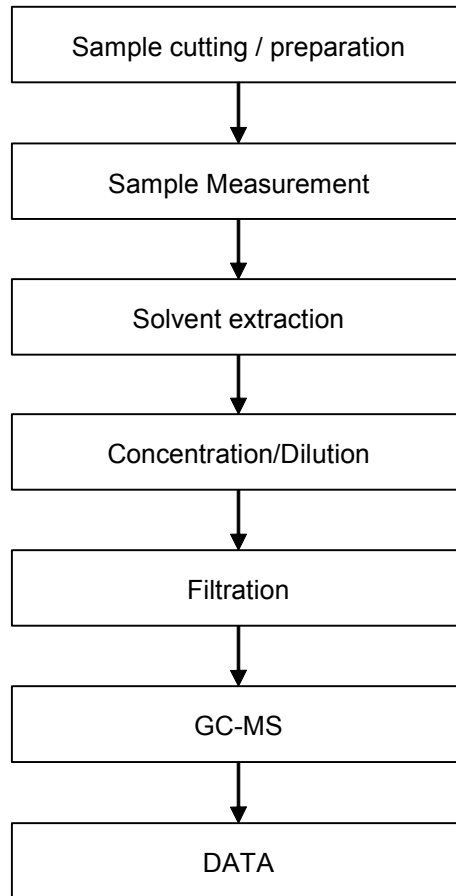


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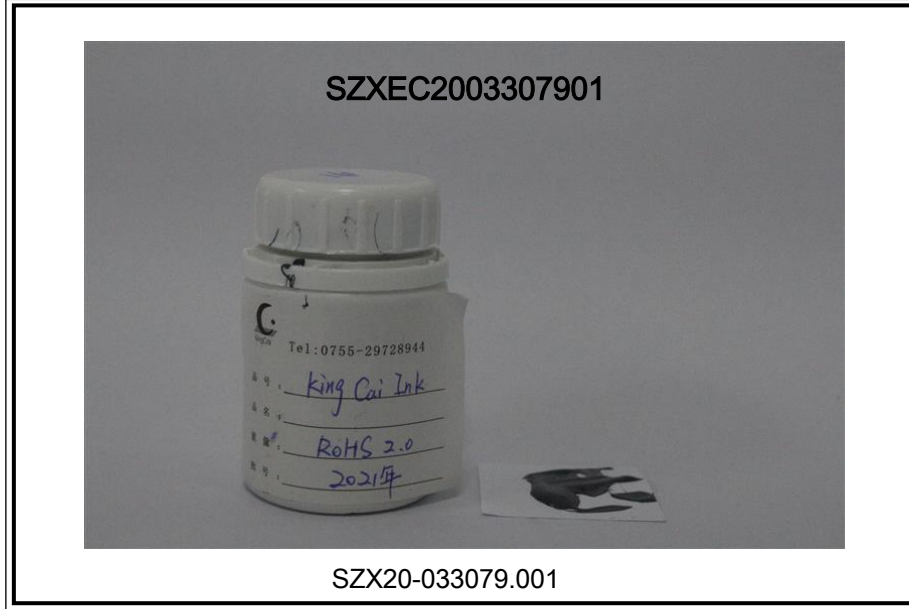
Phthalates Testing Flow Chart



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Sample photo:



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