

## Test Report

No. SZXEC2102170204

Date: 16 Jul 2021

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WTL INTERNATIONAL LIMITED

ROOM203, UNIT A, BLOCK 7, D&J INNOVATION PARK PHASE 2, NO.73 XIALI SOUTH ROAD, LONGGANG DISTRICT, SHENZHEN, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : HC-49SMD Crystal

SGS Job No. : RP21-016335 - SZ

Client Ref. Info. : Crystal:HC-49U,HC-49SMD/3pin,HC-49SMD/4pin,HC-49SS, HC-49SS SMD,HC-49S,Mini-49S SMD,HC-49S/3pin,HC-49T, HC-51U,2\*6,3\*8 Crystal Filter:UM-1,UM-5,HC-49U,HC-49T, SAW Resonator&Filter:TO39,D11,F11

Date of Sample Received : 12 Jul 2021

Testing Period : 12 Jul 2021 - 15 Jul 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).

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



Andy Ni  
Approved Signatory

scan to see the report



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX21-021702.004	"HC-49SMD Crystal"(mixed)
SN2	SZX21-021702.005	Black plastic

Remarks :

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

**Elemental analysis, Hexavalent Chromium(Cr(VI)), Flame Retardants, Phthalates**

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	004	005
Cadmium (Cd)	100	mg/kg	2	ND	ND
Lead (Pb)	1,000	mg/kg	2	ND	ND
Mercury (Hg)	1,000	mg/kg	2	ND	ND
Hexavalent Chromium (Cr(VI))	1,000	mg/kg	8	ND	ND
Sum of PBBs	1,000	mg/kg	-	ND	ND
Monobromobiphenyl	-	mg/kg	5	ND	ND
Dibromobiphenyl	-	mg/kg	5	ND	ND
Tribromobiphenyl	-	mg/kg	5	ND	ND
Tetrabromobiphenyl	-	mg/kg	5	ND	ND
Pentabromobiphenyl	-	mg/kg	5	ND	ND
Hexabromobiphenyl	-	mg/kg	5	ND	ND
Heptabromobiphenyl	-	mg/kg	5	ND	ND
Octabromobiphenyl	-	mg/kg	5	ND	ND
Nonabromobiphenyl	-	mg/kg	5	ND	ND
Decabromobiphenyl	-	mg/kg	5	ND	ND
Sum of PBDEs	1,000	mg/kg	-	ND	ND
Monobromodiphenyl ether	-	mg/kg	5	ND	ND
Dibromodiphenyl ether	-	mg/kg	5	ND	ND
Tribromodiphenyl ether	-	mg/kg	5	ND	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND	ND



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>
Pentabromodiphenyl ether	-	mg/kg	5	ND	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND	ND
Octabromodiphenyl ether	-	mg/kg	5	ND	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND	ND
Decabromodiphenyl ether	-	mg/kg	5	ND	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND	ND
Butyl benzyl Phthalate (BBP)	1000	mg/kg	50	ND	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	1000	mg/kg	50	ND	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND	ND

Remark1: 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.

Remark2: The limit(s) was/were submitted by applicant.



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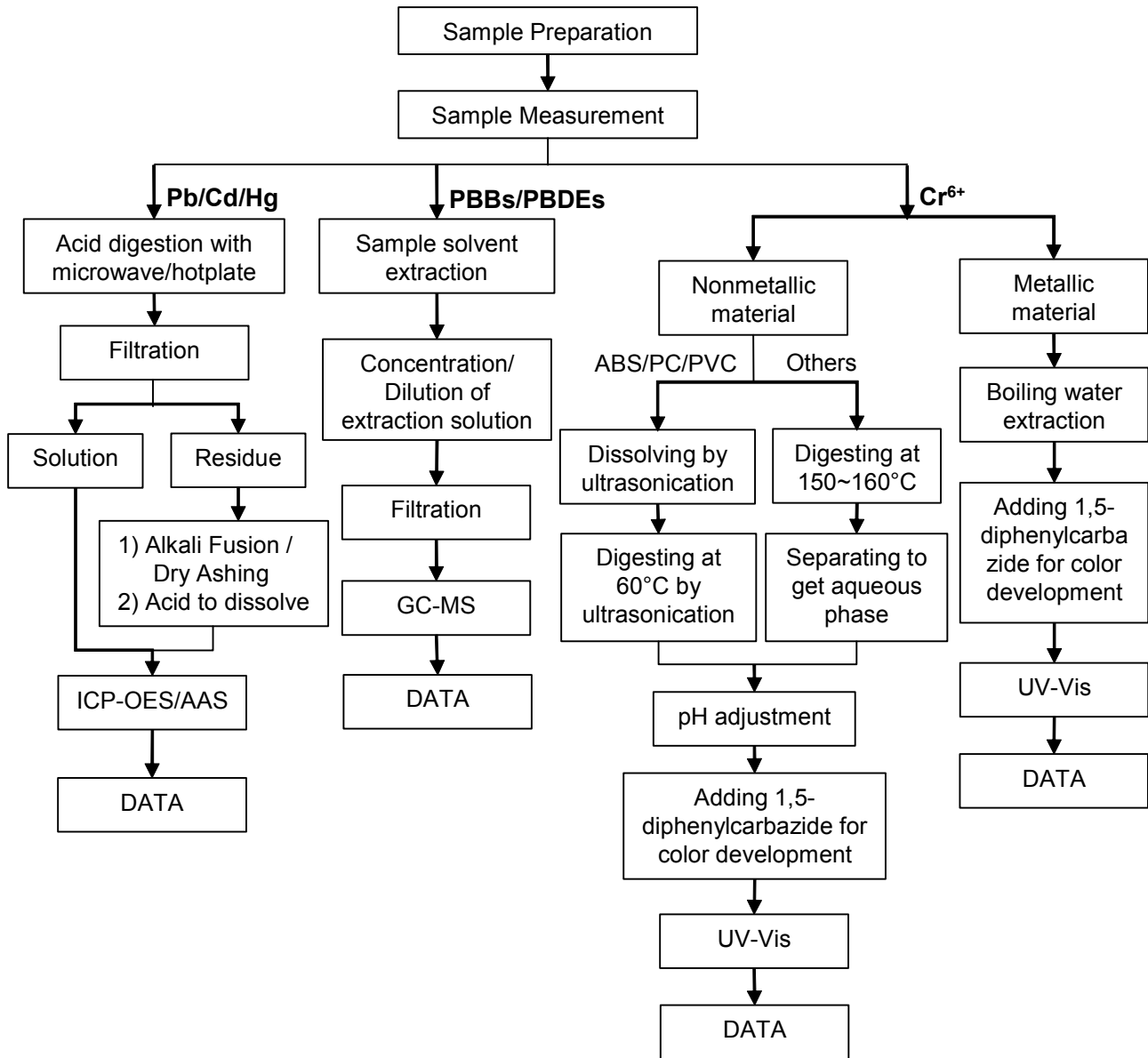
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Shenzhen Branch Testing Laboratory

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**Pb/Cd/Hg/Cr<sup>6+</sup>/PBBs/PBDEs Testing Flow Chart**

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> and PBBs/PBDEs test method excluded).



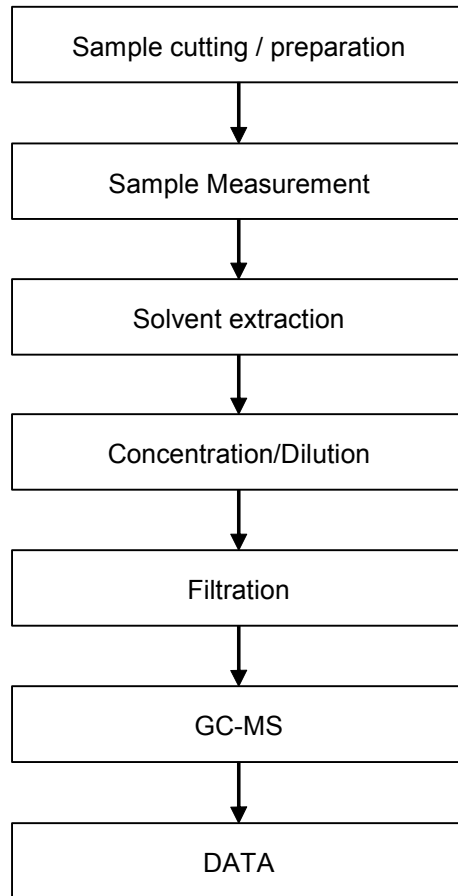
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Phthalates Testing Flow Chart



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