

Test Report

No. CANEC1903556305

Date: 19 Mar 2019

Page 1 of 13

HANGZHOU SILAN INTEGRATED CIRCUIT CO.,LTD.
NO.308,10TH ROAD,EAST HETZ,HANGZHOU
CHINA

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

SGS Job No. : CP19-009814 - GZ
Date of Sample Received : 11 Mar 2019
Testing Period : 11 Mar 2019 - 19 Mar 2019
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. Guangzhou Branch

Dongyu Xie

Dongyu Xie
Approved Signatory

Zmguan

Zm guan
Approved Signatory



Test Report

No. CANEC1903556305

Date: 19 Mar 2019

Page 2 of 13

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN19-035563.001	"DICE"

Remarks :

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

Elementary Analysis

Test Method : With reference to IEC62321-5:2013, analyzed by ICP-OES.

<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	ND

Notes :

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

Elementary Analysis

Test Method : SGS In-house method (GZTC CHEM-TOP-004-01, with reference to US EPA Method 3052:1996), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Arsenic (As)	mg/kg	10	1055

Pentachlorophenol (PCP)

Test Method : With reference to § 64 LFGB BVL B 82.02.08:2001, analysis was performed by GC-ECD.



Test Report

No. CANEC1903556305

Date: 19 Mar 2019

Page 3 of 13

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Pentachlorophenol (PCP)	mg/kg	0.5	ND

Tetrabromobisphenol A (TBBP-A)

Test Method : SGS In-house method (GZTC CHEM-TOP-065, with reference to US EPA Method 3540C:1996), analysis was performed by GC-MS&HPLC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Tetrabromobisphenol A (TBBP-A)	mg/kg	10	ND

Bisphenol-A

Test Method : SGS In-house method (GZTC CHEM-TOP-075-02, with reference to US EPA Method 3550C:2007), analysis was performed by HPLC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Bisphenol-A	mg/kg	1.0	4.1

Triclosan

Test Method : SGS In-house method(GZTC CHEM-TOP-088, with reference to US EPA Method 3550C:2007), analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Triclosan	mg/kg	10	ND

Muskylene

Test Method : SGS In-house method(GZTC CHEM-TOP-086, with reference to US EPA Method 3550C:2007), analysis was performed by GC-MS.



Test Report

No. CANEC1903556305

Date: 19 Mar 2019

Page 4 of 13

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Musk Xylene	mg/kg	10	ND

Chlorinated Paraffins

Test Method : SGS In-house method (GZTC CHEM-TOP-096-02, With reference to US EPA Method 3550C:2007), Analysis was performed by GC-NCI-MS / GC-ECD.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Alkanes C14-C17, chloro (medium -chain chlorinated paraffins) (MCCPs)	mg/kg	50	ND

Hexabromocyclododecane (HBCDD)

Test Method : SGS in house method (GZTC CHEM-TOP-073, with reference to US EPA Method 3550C: 2007) , analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	mg/kg	10	ND

PFOA (Perfluorooctanoic acid)

Test Method : With reference to CEN/TS15968:2010, analysis was performed by LC-MS.

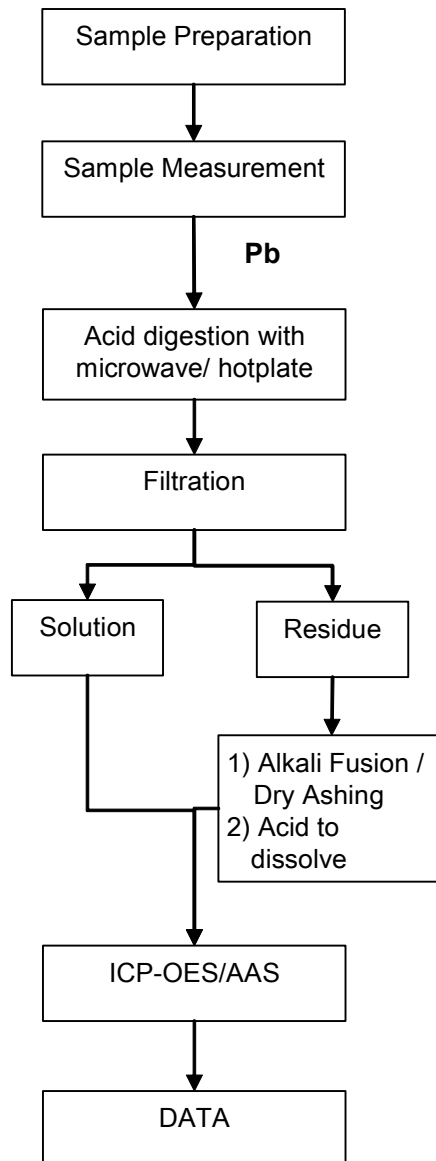
<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	10	ND



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Pb Testing Flow Chart

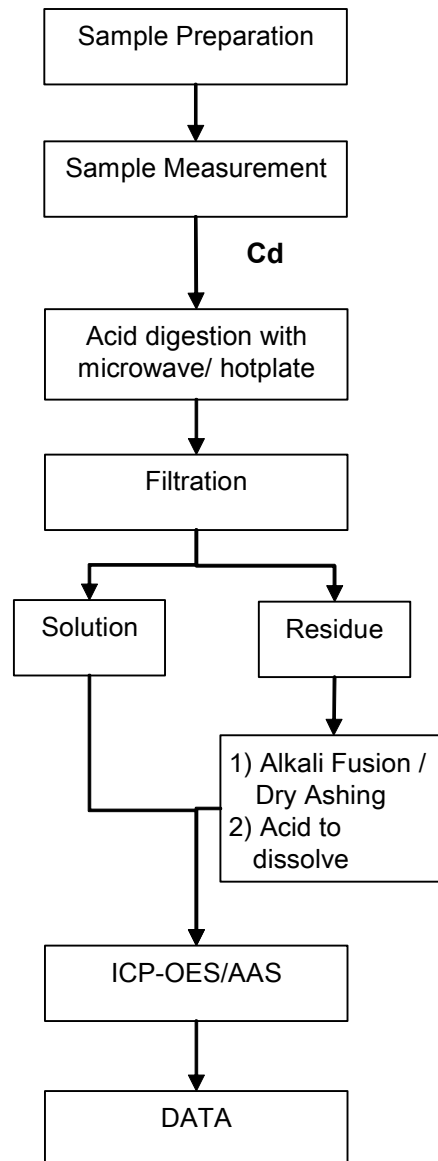
1) These samples were dissolved totally by pre-conditioning method according to below flow chart.



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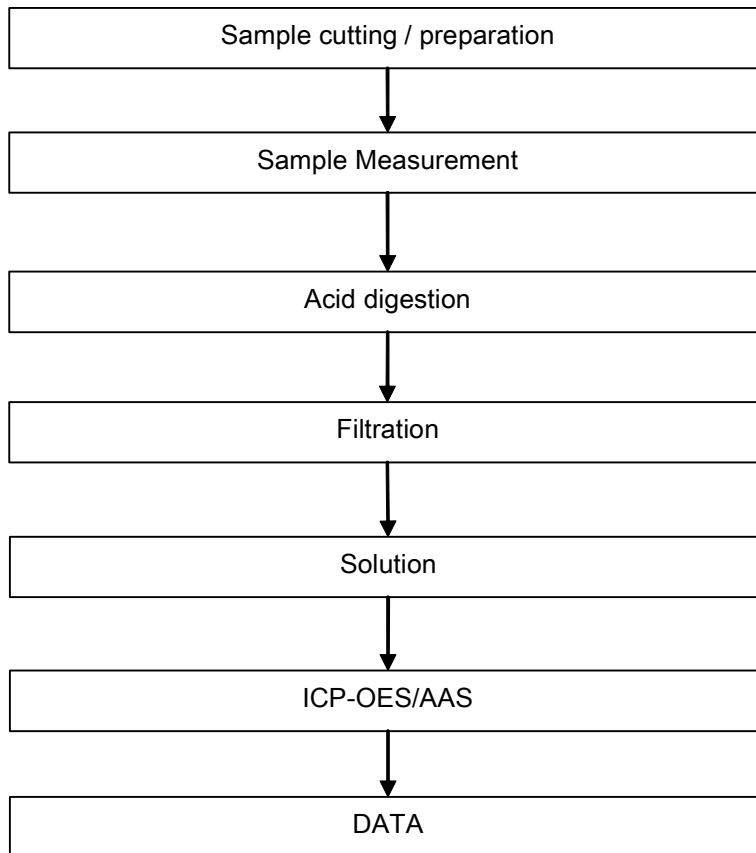
Cd Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart.



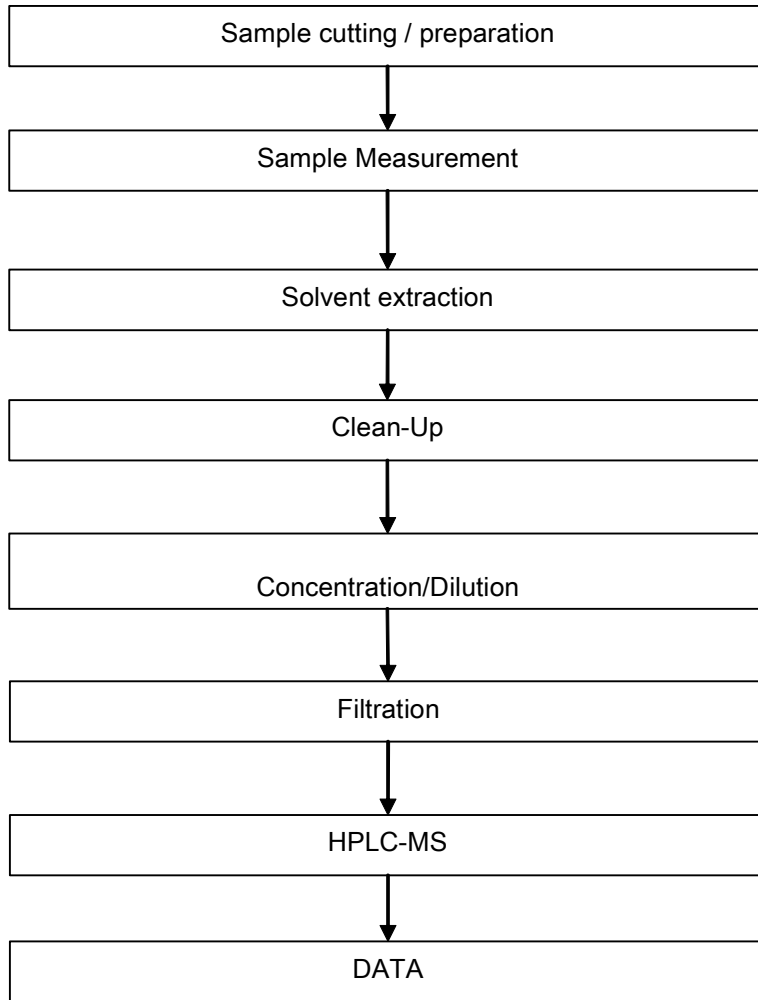
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Elementary Testing Flow Chart



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BPA Testing Flow Chart

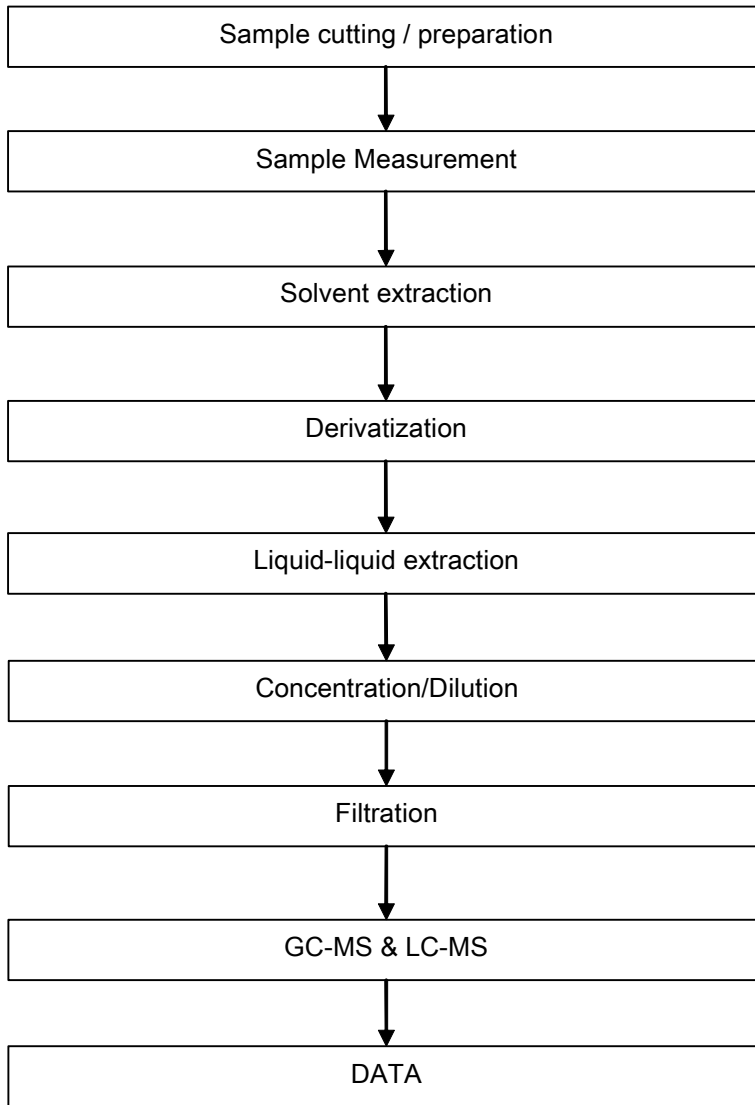


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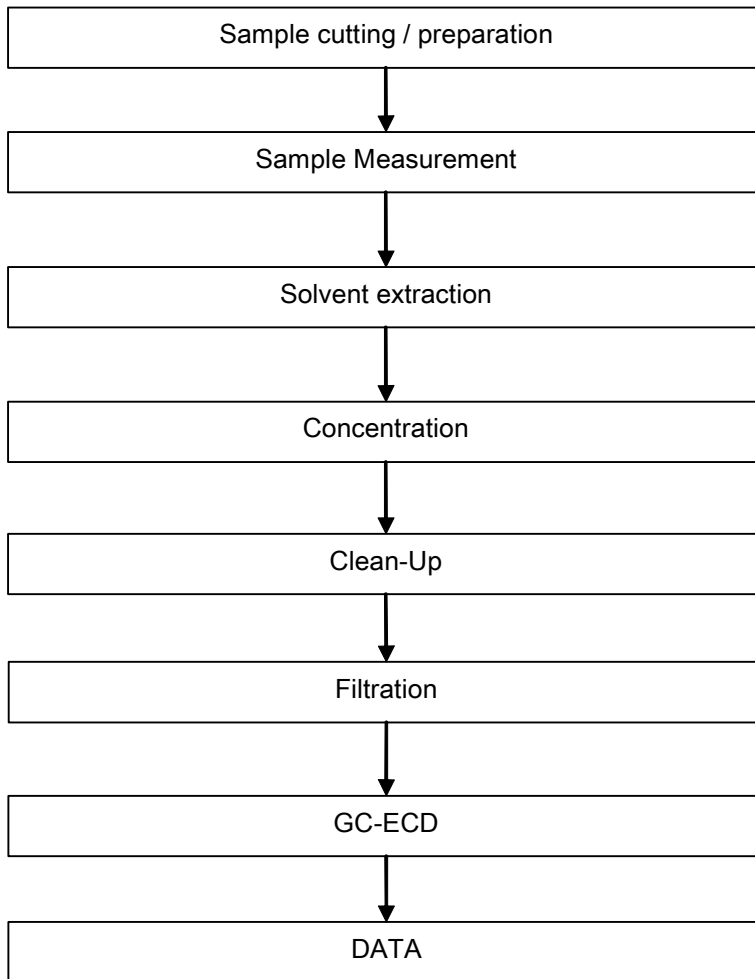
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TBBP-A Testing Flow Chart



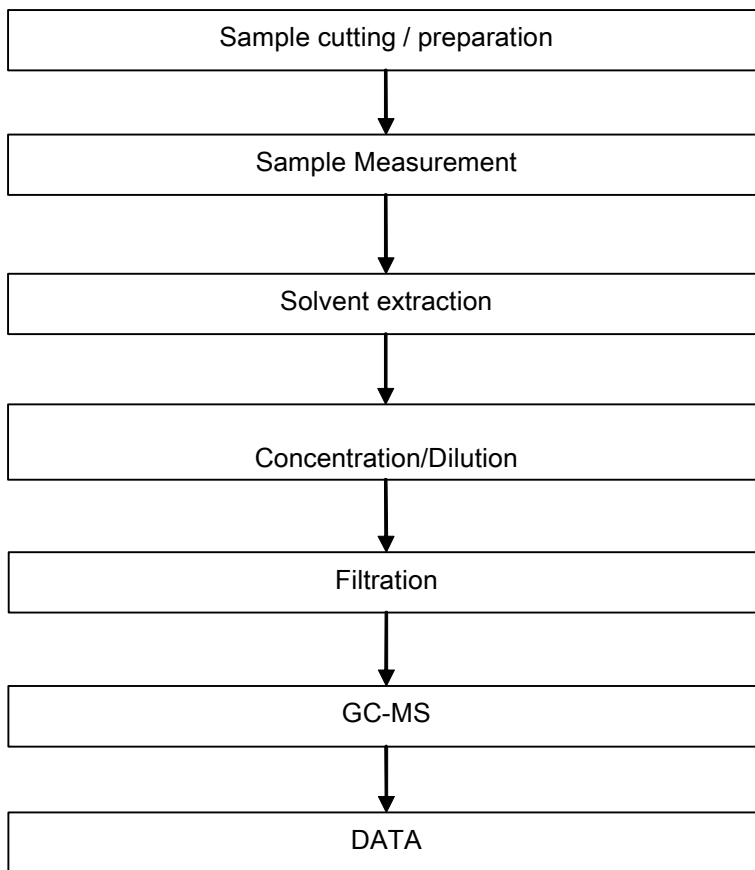
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SCCP/MCCP/LCCP Testing Flow Chart



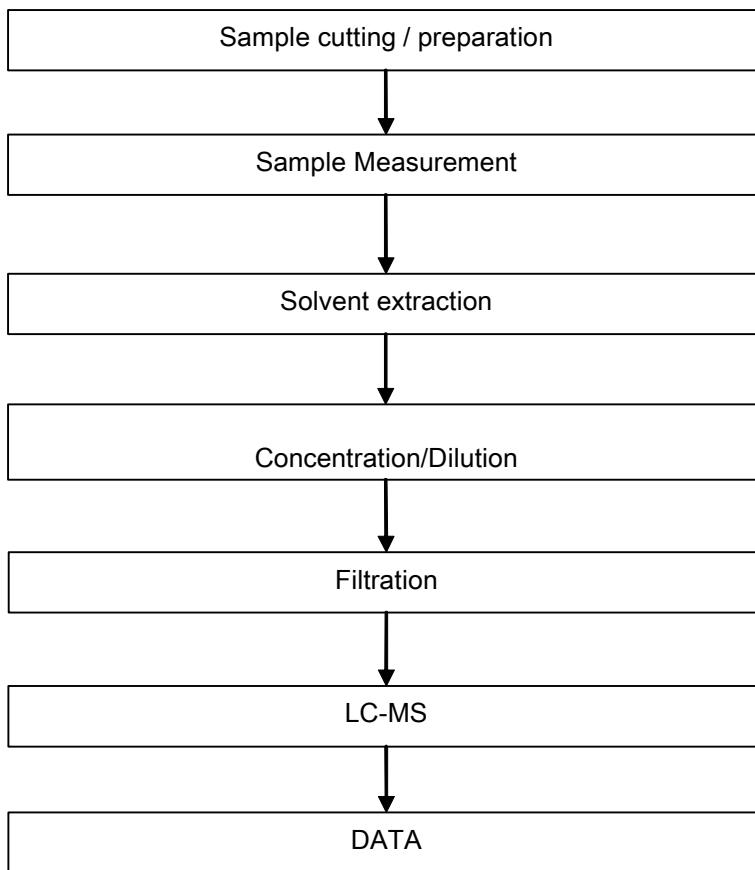
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HBCDD Testing Flow Chart



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PFOA / PFOS Testing Flow Chart



Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

