

寶 號  
CUSTOMER

統訊

HF  
ROHS  
COMPLIANT

# 承 認 書

SPECIFICATION FOR APPROVAL

品名  
PRODUCT NAME K5B T 25x12x15

客戶料號  
CUSTOMER PART NO. **EVL.21772**

批號  
SAMPLE NO. \_\_\_\_\_

日期  
DATE. 2010/9/21

Customer Approved Status 客戶承認範圍

FULLY APPROVED (全部承認)	PARTILLY APPROVED (部份承認)	REVISE APPROVED (修訂承認)
Drawn by	Checked by	Approved by
許雅南	吳明珠	吳炳勳



## 承認書内容 CONTENTS

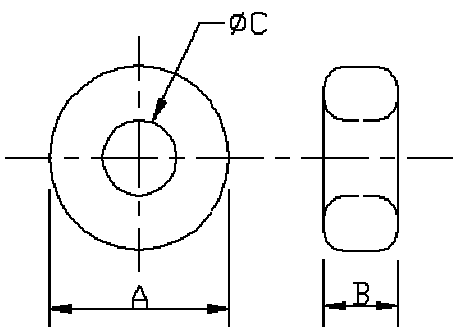
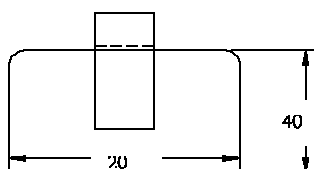
[illegible]

## 修訂履歷 REVISION RESUME

日期 DATE	版次 VERSION	修訂目的 PURPOSE	修訂內容概述 REVISION DESCRIPTION	備註 REMARK
2010/9/21	A	首次送樣		

製作 DRAWN BY: <div>許雅南</div>	確認 CHECKED BY: <div>吳明珠</div>	承認 APPROVED BY: <div>吳炳勳</div>
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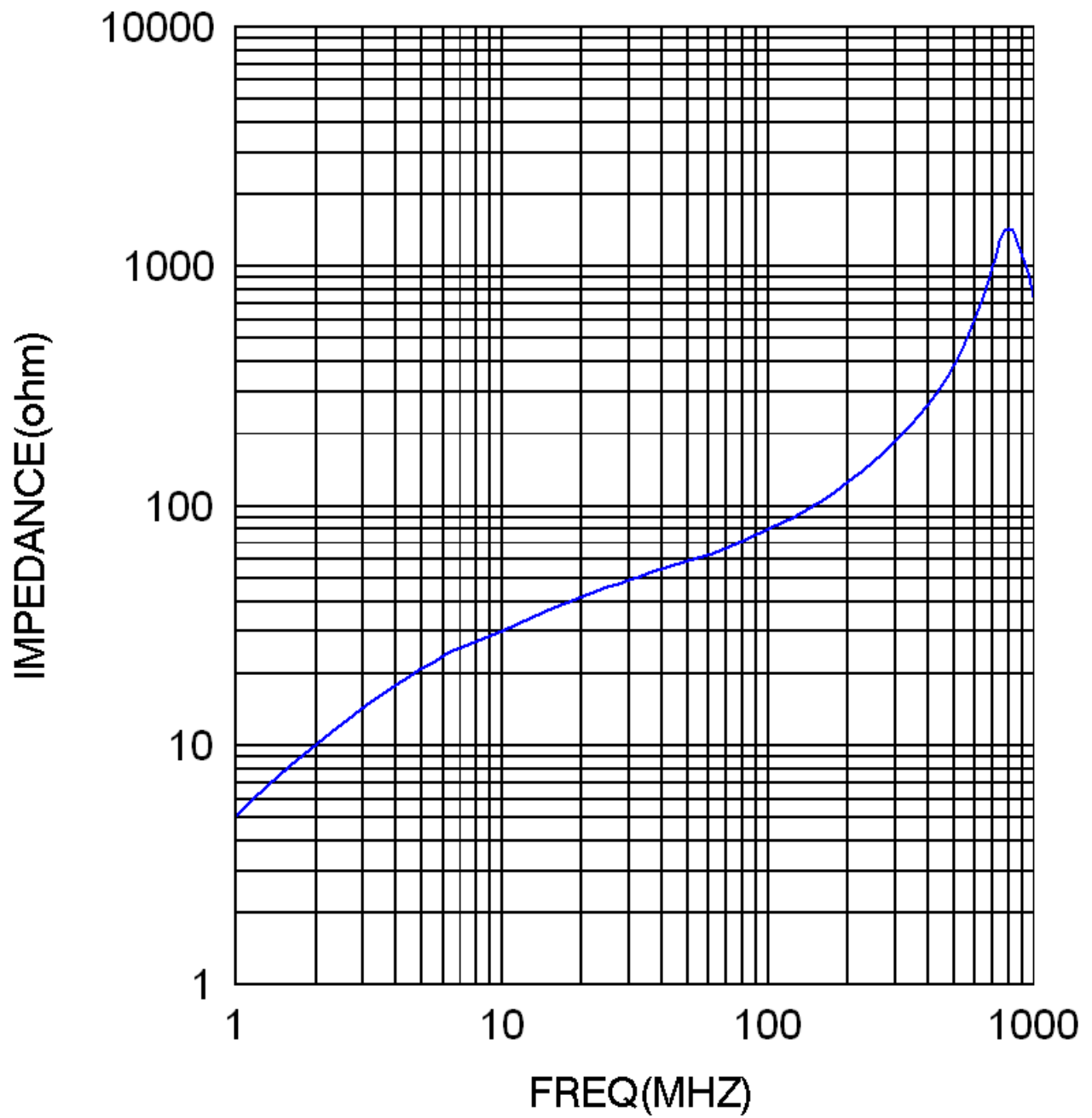
# SPECIFICATION FOR APPROVAL

CUSTOMER:	統訊	CUST.P/N: EVL.21772		
ORDERING CODE:	K5B T 25x12x15	K.C.P/N: PX2511IA		
(1) SHAPE :    R角		A	25.0±0.6	mm
		B	12.0±0.4	mm
		C	15.0±0.5	mm
		D		mm
		E		mm
		F		mm
		G		mm
(2) ELECTRICAL REQUIREMENTS:  $Z_1 = 35 \text{ min OHM AT } 25 \text{ MHz}$ $Z_2 = 70 \text{ min OHM AT } 100 \text{ MHz}$		(3) TEST CONDITIONS: 1 IMPEDANCE ANALYZER: E4991A  TEST FIXTURE: HP16092A  2.WIRE: $\Phi 0.65$ 2UEW*100mm 1/2Ts 3.DRAWING:  		
(4) PACKING  <div style="display: flex; justify-content: space-around;"> <div> <input type="checkbox"/> IN BULK  PCS/BAG* </div> <div> <input checked="" type="checkbox"/> VACUUM  BAGS/INNER BOX* </div> <div> <input type="checkbox"/> INSERTION  BOXES/CARTON= </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>60</span> <span>PCS/PLATE*9</span> <span>PLATES/CARTON= 540</span> <span>PCS</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span></span> <span>PCS/TRAY*</span> <span>TRAYS/CARTON=</span> <span>PCS</span> </div>		(5) APPEARANCE  (1) AREA OF BREAK : < 4 mm <sup>2</sup> (2) SUM OF BREAKING AREA : < 5 mm <sup>2</sup> (3) DEPTH OF BREAK : < 1 mm		
(6) REMARK:		Approved by 吳炳勳		
		Checked by 吳勝球		
		Drawn by 許雅甫 2010/9/21		
		DWG.NO. 20109004A		

# TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER	統訊			CUST. P/N	<b>EVL.21772</b>	
ORDERING CODE	<b>K5B T 25x12x15</b>			K.C. P/N	<b>PX2511IA</b>	
TEMP.	<b>24 °C</b>	RH	<b>69 %</b>	DWG.NO.	<b>20109004A</b>	
WIRE	<b>0.65x100mm</b> <small>(Ø2UEW)</small>	WINDING	<b>1/2 Ts</b>	Q'TY	<b>5PCS</b>	
Test Instruments						
Meas. Item.	<b>Z (OHM)</b>	<b>Z (OHM)</b>	<b>A mm</b>	<b>B mm</b>	<b>C mm</b>	
Specification	<b>35 min</b>	<b>70 min</b>	<b>25.0±0.6</b>	<b>12.0±0.4</b>	<b>15.0±0.5</b>	
Test Freq.	<b>25 MHZ</b>	<b>100 MHZ</b>				
sample#1	<b>46</b>	<b>80</b>	<b>25.10</b>	<b>11.99</b>	<b>14.94</b>	
sample#2	<b>44</b>	<b>81</b>	<b>25.06</b>	<b>12.08</b>	<b>14.98</b>	
sample#3	<b>46</b>	<b>80</b>	<b>25.05</b>	<b>12.01</b>	<b>14.95</b>	
sample#4	<b>46</b>	<b>84</b>	<b>25.01</b>	<b>12.03</b>	<b>14.96</b>	
sample#5	<b>47</b>	<b>84</b>	<b>25.09</b>	<b>12.02</b>	<b>14.92</b>	
sample#6						
sample#7						
sample#8						
sample#9						
sample#10						
$\overline{X}$	<b>45.8</b>	<b>81.8</b>	<b>25.062</b>	<b>12.026</b>	<b>14.950</b>	
R	<b>3</b>	<b>4</b>	<b>0.09</b>	<b>0.09</b>	<b>0.06</b>	
REMARK:				Approved by: <span style="float: right;">吳炳勳</span>		
				Checked by: <span style="float: right;">吳明珠</span>		
				Drawn by: <span style="float: right;">許雅甫</span>		

## K5B T 25x12x15



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KING CORE ELECTRONICS INC.  
NO. 269, NANFONG RD., PINGJHEN CITY, TAOYUAN COUNTY, TAIWAN

\*CE/2010/55608\*

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

Sample Description : FERRITE CORE  
Style/Item No. : K5B  
Sample Receiving Date : 2010/05/27  
Testing Period : 2010/05/27 TO 2010/06/01

Test Result(s) : Please refer to next page(s).

Conclusion : Based upon the performed tests by submitted samples, the test results of Cadmium, Lead, Mercury, Hexavalent Chromium Cr(VI), PBBs and PBDEs comply with the limits of RoHS Directive 2002/95/EC and its subsequent amendments.



Chenyu Kung / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory – Taipei

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### Test Result(s)

PART NAME NO.1 : IRON-GRAY CORE

Test Item (s):	Unit	Method	MDL	Result	Limit
				NO.1	
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.	100
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.	1000
Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.	1000
Perfluorooctane sulfonates (PFOS) PFOS – Acid PFOS – Metal Salt PFOS – Amide	mg/kg	With reference to US EPA 3540C: 1996 method for PFOS Content. Analysis was performed by LC/MS.	10	n.d.	-
PFOA (CAS No.: 000335-67-1)	mg/kg	With reference to US EPA 3540C: 1996 method for PFOA Content. Analysis was performed by LC/MS.	10	n.d.	-
<b>Halogen</b>					
Halogen-Fluorine (F) (CAS No.: 014762-94-8)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.	-
Halogen-Chlorine (Cl) (CAS No.: 022537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.	-
Halogen-Bromine (Br) (CAS No.: 010097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.	-
Halogen-Iodine (I) (CAS No.: 014362-44-8)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.	-

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KING CORE ELECTRONICS INC.

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Test Item (s):	Unit	Method	MDL	Result	Limit
				NO.1	
<b>Sum of PBBs</b>	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.	1000
Monobromobiphenyl			5	n.d.	-
Dibromobiphenyl			5	n.d.	-
Tribromobiphenyl			5	n.d.	-
Tetrabromobiphenyl			5	n.d.	-
Pentabromobiphenyl			5	n.d.	-
Hexabromobiphenyl			5	n.d.	-
Heptabromobiphenyl			5	n.d.	-
Octabromobiphenyl			5	n.d.	-
Nonabromobiphenyl			5	n.d.	-
Decabromobiphenyl			5	n.d.	-
<b>Sum of PBDEs</b>			-	n.d.	1000
Monobromodiphenyl ether			5	n.d.	-
Dibromodiphenyl ether			5	n.d.	-
Tribromodiphenyl ether			5	n.d.	-
Tetrabromodiphenyl ether			5	n.d.	-
Pentabromodiphenyl ether			5	n.d.	-
Hexabromodiphenyl ether			5	n.d.	-
Heptabromodiphenyl ether			5	n.d.	-
Octabromodiphenyl ether			5	n.d.	-
Nonabromodiphenyl ether			5	n.d.	-
Decabromodiphenyl ether			5	n.d.	-

### Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

### PFOS Reference Information : Directive 2006/122/EC

(1) May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0.005 % by mass.

(2) May not be placed on the market in semi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or higher than 0.1 % by mass calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or higher than 1µg/m<sup>2</sup> of the coated material.

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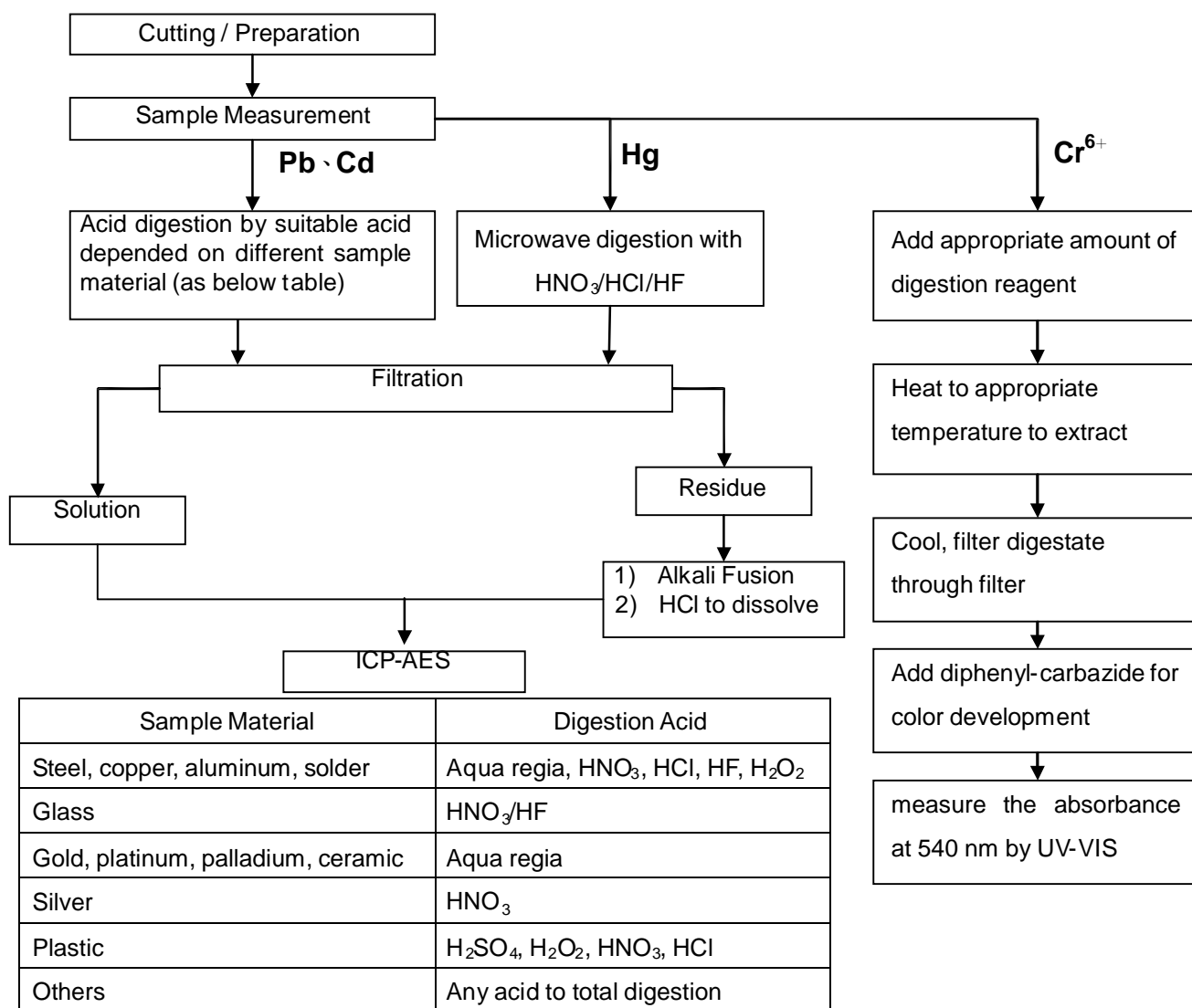
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KING CORE ELECTRONICS INC.  
NO. 269, NANFONG RD., PINGJHEN CITY, TAOYUAN COUNTY, TAIWAN

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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.  
(Cr<sup>6+</sup> test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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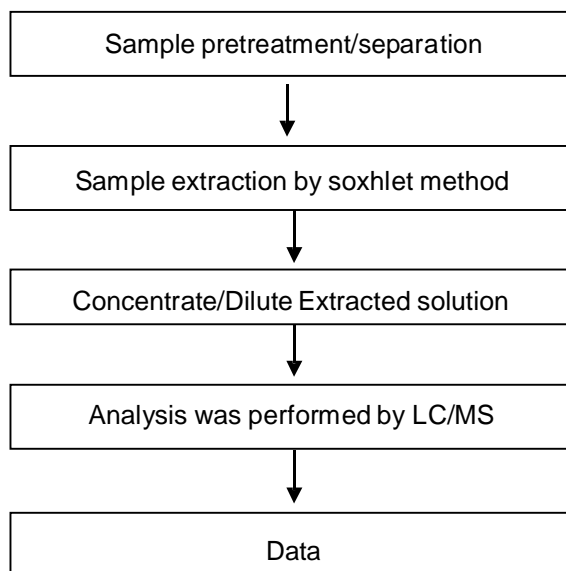
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### Analytical flow chart of Soxhlet extraction (LC/MS) procedure

- 1) Name of the person who made measurement: Lydia Fu
- 2) Name of the person in charge of measurement: Shinjyh Chen

#### ■ Test Items: PFOS/PFOA 、Benzotriazole



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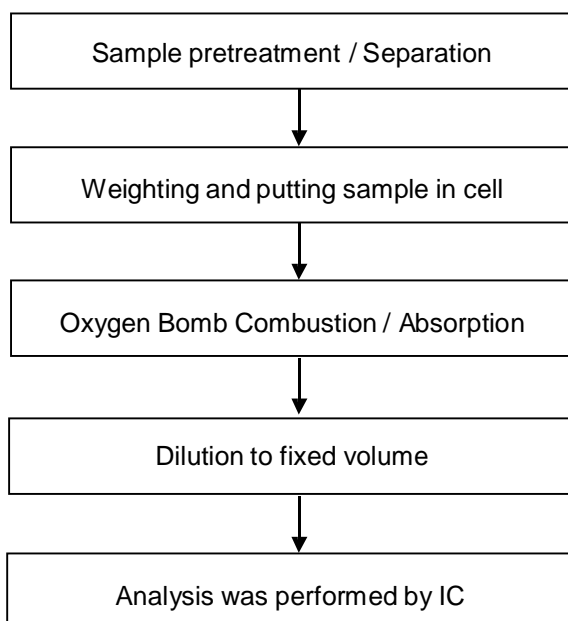
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NO. 269, NANFONG RD., PINGJHEN CITY, TAOYUAN COUNTY, TAIWAN

### Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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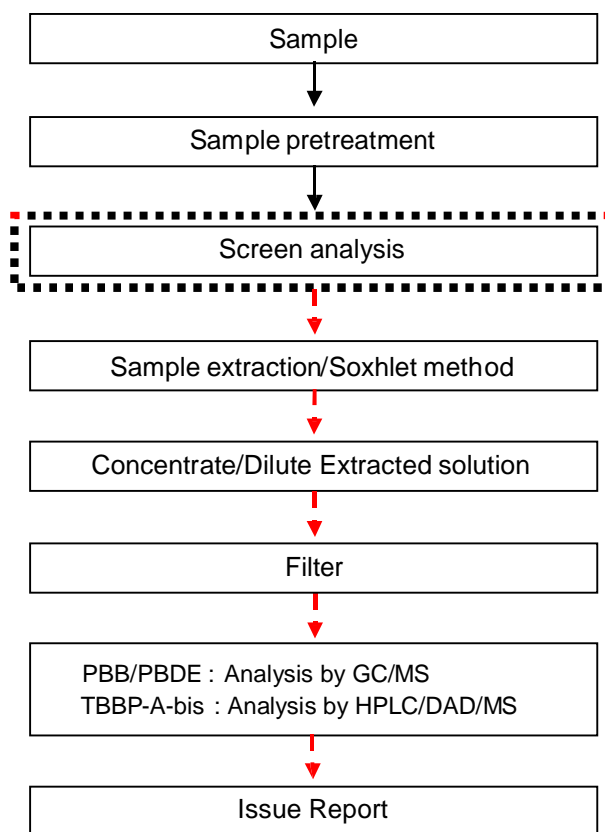
NO. 269, NANFONG RD., PINGJHEN CITY, TAOYUAN COUNTY, TAIWAN

### Analytical flow chart

- 1) Name of the person who made measurement: Roman Wong
- 2) Name of the person in charge of measurement: Troy Chang

■ Test Items: PBB/PBDE, TBBP-A-bis

First testing process → Optional screen process ..... Confirmation process - - ▶



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KING CORE ELECTRONICS INC.

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**\*\* End of Report \*\***

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