

寶 號
CUSTOMER

統訊

HF
ROHS
COMPLIANT

承 認 書

SPECIFICATION FOR APPROVAL

品名
PRODUCT NAME K5B T 8x3x4

客戶料號
CUSTOMER PART NO. **EVL.21767**

批號
SAMPLE NO. _____

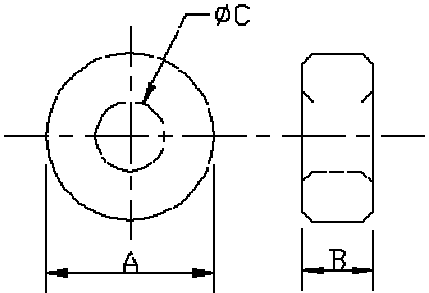
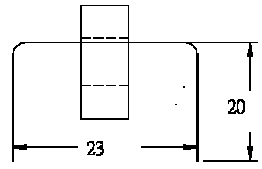
日期
DATE. 2010/9/21

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



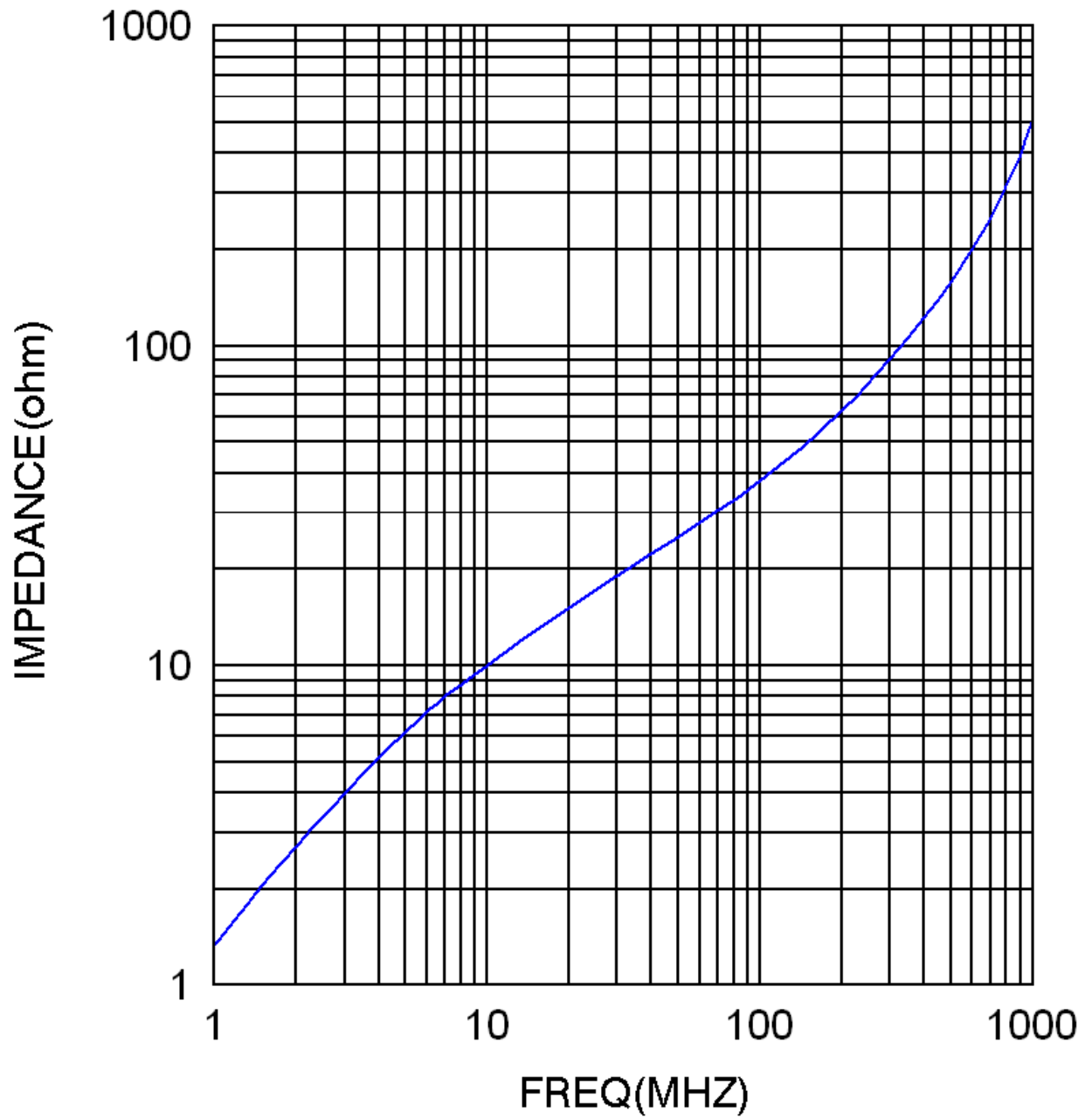
SPECIFICATION FOR APPROVAL

CUSTOMER:	統訊	CUST.P/N: EVL.21767		
ORDERING CODE:	K5B T 8x3x4	K.C.P/N: PX0805IA		
(1) SHAPE :		A	8.0±0.2	mm
		B	3.0±0.2	mm
		C	4.0±0.2	mm
		D		mm
		E		mm
		F		mm
		G		mm
C角				
(2) ELECTRICAL REQUIREMENTS:		(3) TEST CONDITIONS:		
$Z_1 = 14 \text{ min OHM AT } 25 \text{ MHz}$ $Z_2 = 30 \text{ min OHM AT } 100 \text{ MHz}$		1 IMPEDANCE ANALYZER: E4991A TEST FIXTURE: HP16092A 2.WIRE: $\Phi 0.65 \text{ T.C.W} * 63\text{mm} * 1/2\text{TS}$ 3.DRAWING:		
				
(4) PACKING		(5) APPEARANCE		
<input checked="" type="checkbox"/> IN BULK <input type="checkbox"/> VACUUM INSERTION		(1) AREA OF BREAK : < 2 mm ²		
1000 PCS/BAG* 5 BAGS/INNER BOX*4 BOXES/CARTON = 20000 PCS		(2) SUM OF BREAKING AREA : < 3 mm ²		
PCS/PLATE* PLATES/CARTON = PCS		(3) DEPTH OF BREAK : < 1 mm		
PCS/TRAY* TRAYS/CARTON = PCS				
(6) REMARK:		Approved by 吳炳勳		
		Checked by 吳明珠		
		Drawn by 許雅南 2010/9/21		
		DWG.NO. 20109001A		

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER	統訊			CUST. P/N	EVL.21767	
ORDERING CODE	K5B T 8x3x4			K.C. P/N	PX0805IA	
TEMP.	24 °C	RH	69 %	DWG.NO.	20109001A	
WIRE	0.65*63mm T.C.W	WINDING	1/2 Ts	Q'TY	5PCS	
Test Instruments						
Meas. Item.	Z (OHM)	Z (OHM)	A mm	B mm	C mm	
Specification	14 min	30 min	8.0±0.2	3.0±0.2	4.0±0.2	
Test Freq.	25 MHZ	100 MHZ				
sample#1	17	37	8.09	3.01	4.01	
sample#2	17	38	7.98	2.96	3.99	
sample#3	17	38	7.98	3.02	4.02	
sample#4	17	37	8.01	3.01	4.00	
sample#5	18	37	8.02	3.01	4.01	
sample#6						
sample#7						
sample#8						
sample#9						
sample#10						
\bar{X}	17.2	37.4	8.016	3.002	4.006	
R	1	1	0.11	0.06	0.03	
REMARK:				Approved by: 吳炳勳		
				Checked by: 吳明珠		
				Drawn by: 許雅南		

K5B T 8x3x4



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

Test Item (s):	Unit	Method	MDL	Result	Limit		
				NO.1			
Sum of PBBs	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.	-		
Sum of PBDEs					-	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/m² of the coated material.

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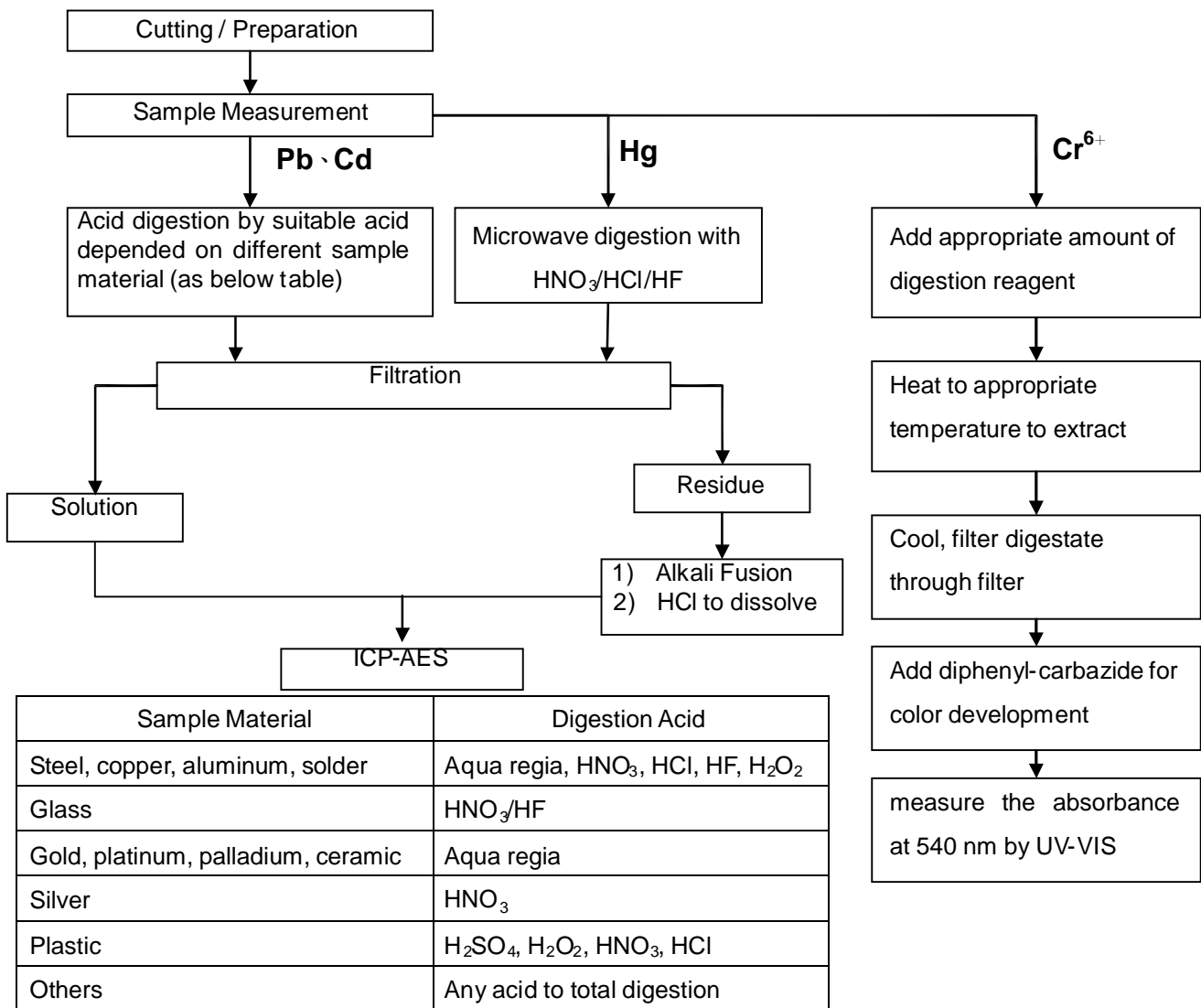
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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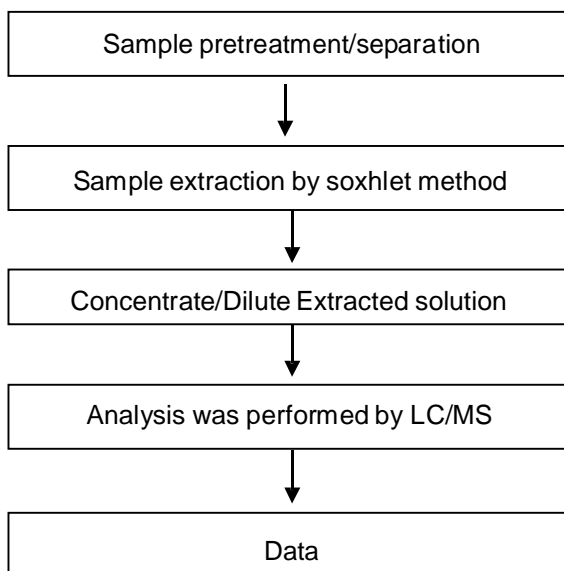
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Analytical flow chart of Soxhlet extraction (LC/MS) procedure

- 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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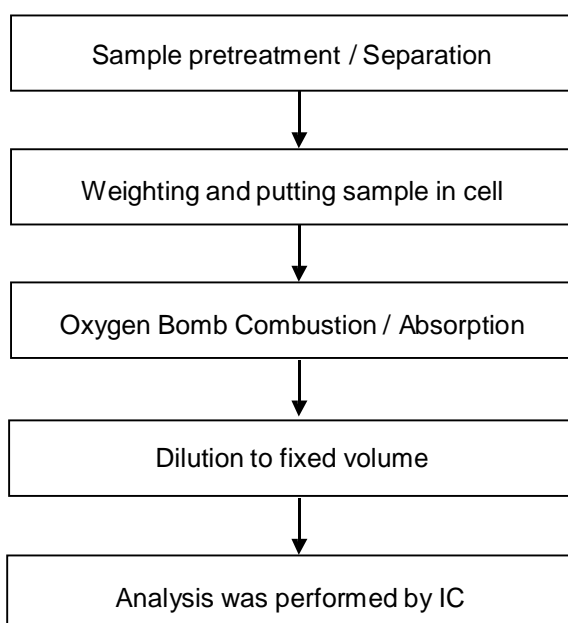
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Analytical flow chart of halogen content

- 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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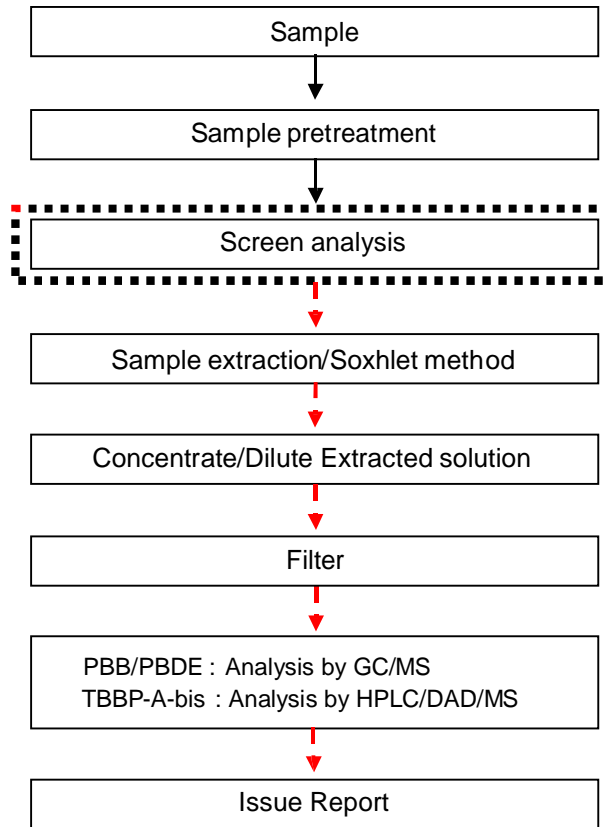
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Analytical flow chart

- 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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** End of Report **

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