



Page 1 of 21 Report No. A2180228608101R1

**Applicant** NANJING WOTIAN TECHNOLOGY CO., LTD.

Address WENYING ROAD, BINJIANG DEVELOPMENT ZONE, NANJING, 211161, CHINA

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

Final Product Name Pressure Transmitter

**PCM Series** Part No. Dec. 3, 2018 Sample Received Date

**Testing Period** Dec. 3, 2018 to Dec. 19, 2018

**Test Requested** As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent

Chromium(Cr(VI)),Polybrominated Biphenyls(PBBs),Polybrominated

Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted

sample(s).

**Test Method/Test Result(s)** Please refer to the following page(s).

Conclusion

**Tested Sample** According to standard/directive Result RoHS Directive 2011/65/EU with Submitted Sample **Pass** amendment (EU) 2015/863 

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

Tested

Reviewed by

Gu Cuili

Jan. 7, 2019

Chen kaimin

Wangdong

Lab Manager

onal Pintigo(Shanghai) Co., Ltd.

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Report No. A2180228608101R1 Page 2 of 21

## $The following \ sample(s) \ and \ sample \ information \ was/were \ submitted \ and \ identified \ by/on \ the \ behalf \ of \ the \ client$

No.	Name of the Original Accessory	Model of the Original Accessory	Component of the Original Accessory	Material
001				
025			Header	Metal
002			Junk ring	Metal
003	Pressure sensor	PC320	Ceramic gasket	Ceramic
004			Chip	Silicon
005	_		Diaphragm	Metal
006	_		Silicon oil	Nonmetal
007	Pressure port	WTR07-P1		Metal
008	Housing	WTR07-C4		Metal
009			PCB board Φ18×1	
010			Resistance 150Ω/5%	
011			Capacitance 3.3nF/1000V	
012			Magnetic bead	
012	A montifying a singuit		CBW160808U102T	Electronic
013	Amplifying circuit board	050I7	Inductance CMI160808VR39K	material
014	Doard		Diode 1N60	
015			Stabilivolt 7.5V/0.5W	
016			TVS tube SMAJ33CA	
017			Audion BCX56	
018			Grounding bracket E-320A	Metal
019			Leather gasket	Nonmetal
020	Mini 4Pin connector	OMAL	Plastic housing	Nonmetal
021	with 4rm connector	UWIAL	Plug pin	Metal
022			Fastening screw	Metal
023	Welding tin wire	0.2mm		Metal
024	Welding tin paste	DFA		Metal



Report No. A2180228608101R1 Page 3 of 21

#### **Test Method**

Tested Item(s)	Test Method	Measured Equipment(s)	
Lead(Pb)	IEC 62321-5:2013	ICP-OES	
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES	
	IEC 62321-7-2:2017 and/or determination of	UV-Vis/ICP-OES	
Hexavalent Chromium(Cr(VI))	Total Chromium by IEC 62321-5:2013	U V- VIS/ICF-OES	
	IEC 62321-7-1:2015	UV-Vis	
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015	GC-MS	
Polybrominated Diphenyl Ethers	IEC 62321-6:2015	GC-MS	
(PBDEs)	ILC 02521-0.2015	GC-WIS	
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS	

#### Test Result(s)

Tested Item(s)	Result			MDL	Limit
rested item(s)	001	002	003	WIDL	Limit
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))			N.D.	8 mg/kg	
	N.D. <sup>▼</sup>	N.D. <sup>▼</sup>		0.10 μg/cm <sup>2</sup>	1000 mg/kg
				(LOQ)	

Tested Item(s)	Result			MDL	Limit
Tested Item(s)	004	005	006	WIDL	Limit
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.		N.D.	8 mg/kg	
		N.D. <sup>▼</sup>		0.10 μg/cm <sup>2</sup>	1000 mg/kg
				(LOQ)	



Report No. A2180228608101R1 Page 4 of 21

Tested Item(s)	Result			MDL	Limit
rested item(s)	007	008	009	WIDL	Lillit
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))			N.D.	8 mg/kg	
	N.D. ▼ N.D. ▼	ND *		0.10 μg/cm <sup>2</sup>	1000 mg/kg
		N.D.		(LOQ)	

Tested Item(s)	Result			MDL	Limit
rested item(s)	010	011	012	WIDL	Limit
Lead (Pb)	80 mg/kg	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
	N.D.	N.D.	N.D.	8 mg/kg	
Hexavalent Chromium (Cr(VI))				0.10 μg/cm <sup>2</sup>	1000 mg/kg
				(LOQ)	

Tested Item(s)	Result			MDL	Limit
rested item(s)	013	014	015	WIDL	Limit
Lead (Pb)	N.D.	>20%*	>20% *	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
	N.D.	N.D.	N.D.	8 mg/kg	
Hexavalent Chromium (Cr(VI))				0.10 μg/cm <sup>2</sup>	1000 mg/kg
				(LOQ)	

Tested Item(s)	Result			MDL	Limit
Tested Item(s)	016	017	018	WIDL	Limit
Land (Dh)	1050	1446	124 mg/kg	2 ma/lea	1000 mg/lsg
Lead (Pb)	mg/kg*	mg/kg*1	134 mg/kg	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.		8 mg/kg	
			N.D. <sup>▼</sup>	0.10 μg/cm <sup>2</sup>	1000 mg/kg
				(LOQ)	



Report No. A2180228608101R1

Page 5 of 21

Tested Item(s)	Result			MDL	Limit
rested item(s)	019	020	021	MIDL	Limit
Lead (Pb)	N.D.	N.D.	226 mg/kg	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
	N.D.	N.D.		8 mg/kg	
Hexavalent Chromium (Cr(VI))			N.D. <sup>▼</sup>	0.10 μg/cm <sup>2</sup>	1000 mg/kg
			N.D.	(LOQ)	

Tested Item(s)	Result			MDL	Limit	
rested item(s)	022	023	024	WIDL	12111111	
Lead (Pb)	N.D.	67 mg/kg	17 mg/kg	2 mg/kg	1000 mg/kg	
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg	
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg	
			N.D.	8 mg/kg		
Hexavalent Chromium (Cr(VI))	N.D. <sup>▼</sup>	N.D. <sup>▼</sup>		0.10 μg/cm <sup>2</sup>	1000 mg/kg	
	N.D.	N.D.		(LOQ)		

Tested Item(s)	Result	MDL	Limit
Tested Item(s)	025	WIDL	
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
		8 mg/kg	
Hexavalent Chromium (Cr(VI))	N.D. <sup>▼</sup>	0.10 μg/cm <sup>2</sup>	1000 mg/kg
	N.D.	(LOQ)	



Report No. A2180228608101R1 Page 6 of 21

Tested Item(s)		Result			Limit				
resteu item(s)	003	004	006	MDL	Limit				
Polybrominated Biphenyls	Polybrominated Biphenyls(PBBs)								
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 m = /lr =				
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg				
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg					

Tested Item(s)		Result		MDL	Limit
rested item(s)	009	010	011	WIDL	Lillit
Polybrominated Biphenyls(P	PBBs)				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	



Report No. A2180228608101R1 Page 7 of 21

Tosted Item(s)		Result		MDL	Limit
Tested Item(s)	012	013	014	MIDL	Lillit
Polybrominated Biphenyl	s(PBBs)				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 m ~/lr~
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	

Tested Item(s)		Result		MDL	Limit
resteu item(s)	015	016		Limit	
Polybrominated Biphenyls(F	PBBs)				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	



Report No. A2180228608101R1 Page 8 of 21

Tested Item(s)	Re	Result		
	019	020	— MDL	Limit
Polybrominated Biphenyls(	PBBs)			
Monobromobiphenyl	N.D.	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	1000 ma a/lra
Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	N.D.	5 mg/kg	]

Tested Item(s)		Result		MDL	Limit
rested item(s)	003	004	006	WIDL	Lillit
Polybrominated Diphenyl Et	hers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 m = /lr =
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	



Report No. A2180228608101R1 Page 9 of 21

Tostad Itam(s)		Result		MDL	Limit
Tested Item(s)	009	010	011	MIDL	Limit
Polybrominated Diphenyl Et	thers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	

Tested Item(s)		Result		MDL	Limit
resteu item(s)	012	013	014	WIDL	Limit
Polybrominated Diphenyl Et	thers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 m ~/lr~
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	



Report No. A2180228608101R1 Page 10 of 21

Tested Item(s)		Result		MDL	Limit
resteu item(s)	015	016	017	MIDL	Lillit
Polybrominated Diphenyl Et	hers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	

Tested Item(s)	Re	MDL	Limit	
resteu rtem(s)	019	020		Limit
Polybrominated Diphenyl Et	hers (PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000
Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg	



Report No. A2180228608101R1 Page 11 of 21

Tested Item(s)		Result			Limit
rested rem(s)	003	004	006	MDL	Limit
Phthalates (DBP, BBP, DEH)	P, DIBP)				
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate	N.D.	N.D.	N.D.	50 mg/lzg	1000 mg/lzg
(BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate	N.D.	N.D.	1.45 mg/kg	50 mg/lsg	1000 mg/lzg
(DEHP) CAS#:117-81-7	N.D.	N.D.	145 mg/kg	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP)	N.D.	N.D.	ND	50 mg/lrg	1000 m a/lsa
CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg

Tested Item(s)	Result			MDL	Limit
rested item(s)	009	010	011	WIDL	Limit
Phthalates (DBP, BBP, DEHI	P, DIBP)				
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg

Tested Item(s)	Result			MDL	Limit
rested rtem(s)	012	013	014	WIDL	Lillit
Phthalates (DBP, BBP, DEH)	P, DIBP)				
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg



Report No. A2180228608101R1 Page 12 of 21

Tested Item(s)	Result			MDL	Limit			
	015	016	017	WIDL	Lillit			
Phthalates (DBP, BBP, DEHP, DIBP)								
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	50 mg/lsg	1000 mg/kg			
CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg			
Butyl benzyl phthalate	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg			
(BBP) CAS#:85-68-7								
Di-(2-ethylhexyl) phthalate	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg			
(DEHP) CAS#:117-81-7	N.D.							
Diisobutyl phthalate (DIBP)	ND	N.D.	N.D.	50 mg/kg	1000 mg/kg			
CAS#:84-69-5	N.D.							

Tested Item(s)	Res	MDL	Limit					
	019	020	WIDL					
Phthalates (DBP, BBP, DEHP, DIBP)								
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg				
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg				
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg				



Report No. A2180228608101R1 Page 13 of 21

#### **Tested Sample/Part Description**

- 001 Silvery metal
- 002 Silvery metal
- 003 White ceramic
- 004 Chip
- 005 Silvery metal
- 006 Colorless transparent liquid
- 007 Silvery metal
- 008 Silvery metal
- 009 PCB(Tested as a whole)
- 010 Electronic components (Tested as a whole)
- 011 Electronic components (Tested as a whole)
- 012 Electronic components (Tested as a whole)
- 013 Electronic components (Tested as a whole)
- 014 Electronic components (Tested as a whole)
- 015 Electronic components (Tested as a whole)
- 016 Electronic components (Tested as a whole)
- 017 Electronic components (Tested as a whole)
- 018 Silvery metal
- 019 Black plastic
- 020 Black plastic
- 021 Silvery metal
- 022 Silvery metal
- 023 Silvery metal wire
- 024 Grey paste
- 025 Metal with golden plating



Report No. A2180228608101R1 Page 14 of 21

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

- -The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.
- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL or LOQ)
- -mg/kg = ppm = parts per million
- -LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm<sup>2</sup>
- - $^{\blacktriangledown}$  The sample is negative for Cr(VI) The Cr(VI) concentration is below 0.10 µg/cm<sup>2</sup>. The coating is considered a non-Cr(VI) based coating.
- -\*= According to the client's statement, the material of the sample(s) fall into exemption items 7(c)-I according to EU Directive 2011/65/EU: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- -\*<sup>1</sup>= According to the client's statement, lead mainly comes from the high melting temperature type solders. Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead) is exempted from the restriction, with reference to EU Directive 2011/65/EU an nex III Exemption Applications 7(a).

**Note:** This testing report added "Conclusion" based on the original report of No. A2180228608101. This testing report displaces the original one which was invalid since the date of this testing report released.

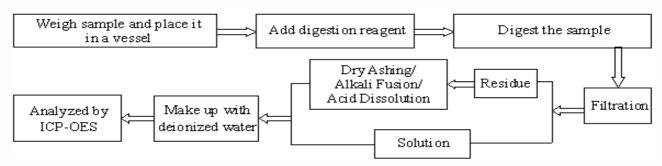


Report No. A2180228608101R1

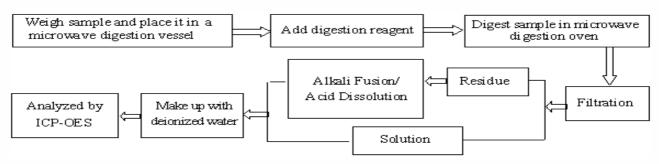
Page 15 of 21

#### **Test Process**

#### 1. Lead(Pb), Cadmium(Cd), Chromium(Cr)

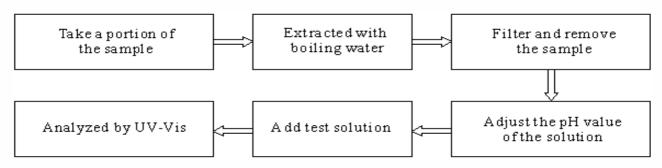


#### 2. Mercury(Hg)

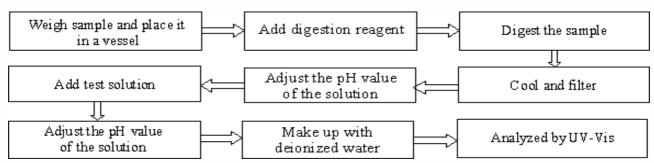


#### 3. Hexavalent Chromium(Cr(VI))

#### (1) IEC 62321-7-1:2015



#### (2) IEC 62321-7-2:2017

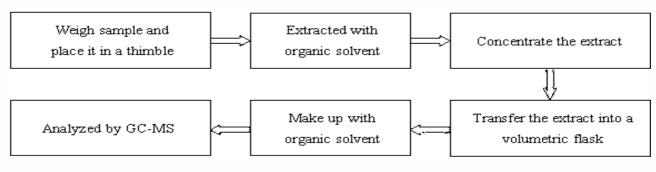




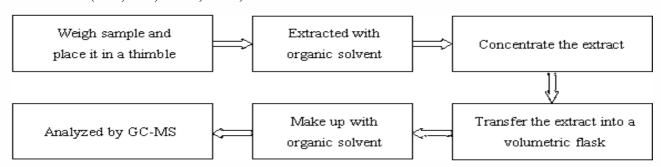
Report No. A2180228608101R1

Page 16 of 21

#### 4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs)



#### 5. Phthalates (DBP, BBP, DEHP, DIBP)





Report No. A2180228608101R1 Page 17 of 21

### Photo(s) of the sample(s)

Final Product

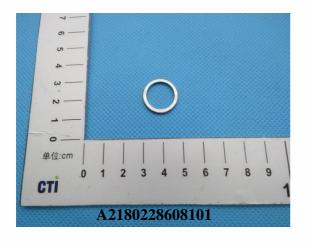
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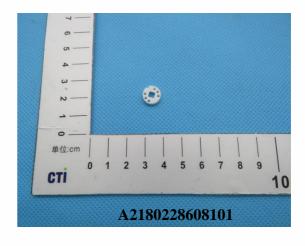




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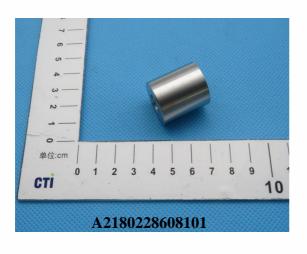


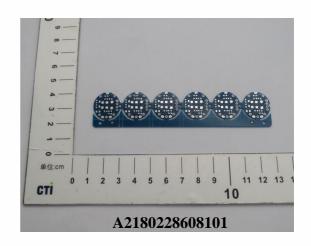
Report No. A2180228608101R1 Page 18 of 21











Report No. A2180228608101R1 Page 19 of 21

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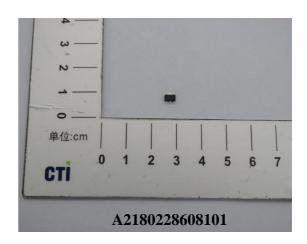




Report No. A2180228608101R1 Page 20 of 21

016

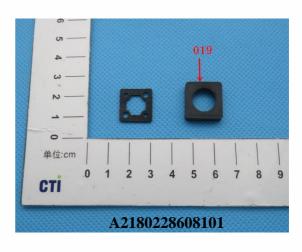
 017



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Report No. A2180228608101R1 Page 21 of 21

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

#### Statement:

- 1. This report is considered invalidated without approval signature, special seal and the seal on the perforation;
- 2. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4. Without written approval of CTI, this report can't be reproduced except in full;
- 5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.