





### RoHS TEST REPORT

Report Reference No. ....: CA1705036R 01001

Engineer by (name + signature).....: Apple Hu 

Approved by (name + signature) .....: Eric Liu 

Date of issue .....: 2017-07-28

Testing Laboratory .....: Dong Guan Anci Electronic Technology Co., Ltd.

Address .....: 1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan Lake Hi-tech Industrial Development Zone, Dongguan City, Guangdong Pr., China

Applicant's name .....: China Etech Groups Ltd

Address .....: Room 3A15-3A18, Floor 4, Block C, Bao Yuan Hua Feng Headquarter, economy building, Xixiang Road, Xixiang Street, Baoan district, Shenzhen, CHINA

Test specification.....:

Test item description .....: Pen holder USB charger

Trade Mark .....: N/A

Model/Type reference .....: P308.91

Conclusion .....: Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Test Method.....: (1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.  
(2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.  
(3)With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.  
(4)With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.  
(5)With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.  
(6)With reference to IEC 62321-8:2013 (111/321/CD), determination of phthalates by GC-MS.

Testing Period.....: Selected test(s) as requested by client.

Test result .....: Pass



**1. GENERAL INFORMATION**

**1.1 CERTIFICATION**

Testing Laboratory .....: Dong Guan Anci Electronic Technology Co., Ltd.  
 Address .....: 1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan  
 Lake Hi-tech Industrial Development Zone, Dongguan City,  
 Guangdong, China

Applicant's name .....:  
 Address .....

Manufacturer .....:  
 Address.....:

Test specification:

Test item description.....: Pen holder USB charger  
 Trade Mark .....: N/A  
 Model/Type reference .....: P308.91

Standards .....: IEC 62321-5:2013, IEC 62321-4:2013, IEC 62321:2008,  
 IEC 62321-6:2015,IEC 62321-8:2013(111/321/CD)

The device described above was tested by Dong Guan Anci Electronic Technology Co., Ltd. to determine the maximum emission levels emanated from the device and severity levels of the device endure and its performance criterion. The measurement results are contained in this test report and A Dong Guan Anci Electronic Technology Co., Ltd. assumes full responsibility for the accuracy and completeness of these measurements. This report shows the EUT is technically compliance with the above official standards.

This report applies to the above sample only and shall not be reproduced in part without written approval of Dong Guan Anci Electronic Technology Co., Ltd.

**2. TEST DATA REPORT**

Component Description	Test Sample	Test Lab.	Report No.	Test Data (ppm)
Plastics	ABS white color grains	CTI	SCL01H008406008	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
Plastics	PBT flam material	SGS	CANEC1702280107	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb:4mg/kg. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Plastics	Light blue translucent plastic	SGS	CANEC1513804803	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Plastics	PVC light blue plastic sheet	SGS	CANEC1624005416	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: 485mg/kg BBP: N.D. DBP: N.D. DIBP: N.D.
Plastics	PPO (White plastic pellet)	SGS	SHAEC1526368622	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Plastics	PVC (white color grains)	CTI	SCL01I048565001	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D.

				BBP: N.D. DBP: N.D. DIBP: N.D.
	PVC (transparent color grains)	CTI	SCL011048565007	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Indicate lamp LED	Silvery metal pin	SGS	CANEC1614894102	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D.
	LED lamp Transparent body w/silvery metal pin (mixed)	SGS	CANEC1608812803	Cd: N.D. Cr6+: Negative Hg: N.D. Pb: 27mg/kg PBBs: N.D. PBDEs: N.D.
	LIGHT-EMITTING DIODE Lamp bead pin (Silver metal)	EMTEK	CANEC1608812803	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
	LIGHT-EMITTING DIODE Lamp bead body	EMTEK	CANEC1608812803	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
	Chip diode	EMTEK	CANEC1608812803	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
USB/terminal connectors (Plastics)	PBT White color plastics	CTI	ECL03I002761011	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
	Black stive material (used for socket, plugs, switch)	CTI	ECL03I002761001C	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
	Phosphor copper (used for socket, plugs, switch, Copper	CTI	ECL03I002761007C	Cd: N.D. Cr6+: N.D. Hg: N.D.

	pieces of leaf spring)			Pb: N.D.
	IRON ACCESSORIES (used for socket, plugs, switch, metal enclosure and pin)	CTI	ECL03I002761008C	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D.
	White plastic 10#A+Off white plastic 10#B+Lt- gray plastic 10#C+Beige plastic 10#D+Transparent plastic 10#E	SGS	CANEC1603257037	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
	White plastics grains	SGS	CANEC1602836403	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
	Aluminium-foil paper	CTI	SCL01I060484001	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
	Aluminium-foil paper	CTI	SCL01I022321002R1	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
USB/terminal connectors (Hardware)	Cold rolled coil Silver-grey metal	SGS	CANEC1608571501	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D.
Wire connector terminal	Brass terminals (Silver-grey metal )	SGS	CANEC1610754703	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 21mg/kg PBBs: N.D. PBDEs: N.D.
	Brass plated terminal (Silver-gray /golden plated metal )	SGS	CANEC1603257017	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 10mg/kg
	Brass plated terminal	SGS	CANEC1603257022	Cd: N.D.



	(Silver-gray /golden plated metal )			Cr6+: N.D. Hg: N.D. Pb: 13mg/kg
Lead-free solder wire	Metal wire with powder	SGS	CANEC1608274804	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 73g/kg PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Heat shrinkable tubing	Black plastics tube	SGS	CANEC1700014303	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Soldering paste tinol	Beige paste	SGS	SHAEC1702197302	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 73g/kg PBBs: N.D. PBDEs: N.D.
Screw	BT3*8 black color zinc screws	SGS	CANEC1309277901	Cd: N.D. Cr6+: Negative Hg: N.D. Pb: N.D.
	PA4*12 color coating zinc screws	SGS	CANEC1309277902	Cd: N.D. Cr6+: Negative Hg: N.D. Pb: N.D.
	PWA3*8 white color coating zinc screws	SGS	CANEC1309277903	Cd: N.D. Cr6+: Negative Hg: N.D. Pb: N.D.
	Dark-grey metal wire	SGS	CANEC1612668812	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D.
	Black color zinc screws	SGS	CANEC1604960710	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D.
PCB board	KB-6160 Yellow sheet with red printing	SGS	CANEC1611142512 A01	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 13g/kg PBBs: N.D. PBDEs: N.D. DEHP: N.D.



				BBP: N.D. DBP: N.D. DIBP: N.D.
Green PCB	Electric gold plate	SGS	SZXEC1600053701	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 9mg/kg PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Black painting	Black paste	SGS	CANEC1610698601	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
3M 9448A	Translucent adhesive film	SGS	SHAEC1701446201	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Solder	Metal wire with powder	SGS	CANEC1610788418	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb:84mg/kg. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Solder	Silvery metal	SGS	CANEC1610788410	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb:47mg/kg. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Chip Resistors(Terminal Lead Free)	Black/silvery/white chips	SGS	SHAEC1703705901	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb:47mg/kg. PBBs: N.D. PBDEs: N.D. DEHP: N.D.





				BBP: N.D. DBP: N.D. DIBP: N.D.
Lead Free Thick Film Chip Resistor	Silvery grey grain	SGS	SHAEC1607097701	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb:324mg/kg. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
DIP008	Black body part	SGS	SHAEC1701699717	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
DIP008	Silver pin part	SGS	SHAEC1701699717	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb:12mg/kg
Transformer	Bobbin phenolic molding compound	SGS	CE/2016/60629	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: .D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Transformer	Insulation tape Black plastic adhesive tape + blue plastic adhesive tape +yellow plastic adhesive tape	SGS	CANML1702730701	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: .D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D. DIBP: N.D.
Transformer	Core Dk-grey core	SGS	CANEC1624923803	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: .D. PBBs: N.D. PBDEs: N.D. DEHP: N.D. BBP: N.D. DBP: N.D.



				DIBP: N.D.
Diode	Gray ink.	SGS	CANEC1304205603	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 7mg/kg PBBs: N.D. PBDEs: N.D.
Ceramic Chip Capacitor (MLCC)	Materials are ceramic & metal / BrownCeramic, SilverMetal	Intertek	RT12R-S0178-016-E-R	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
Varistor	Blue body w/yellow printing & silvery metal pin (mixed)	SGS	CANML1605774302	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
Y-Cap.	Blue body w/ black printing	SGS	CANEC1606544301	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: 20mg/kg PBBs: N.D. PBDEs: N.D.
	Silvery metal pin	SGS	CANEC1606544301	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.A. PBDEs: N.A.
IC	Mixed all parts of body	SGS	CE/2016/92459	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
	Mixed silver colored metal (including the plating layer)	SGS	CE/2016/92459	Cd: N.D. Cr6+: Negative Hg: N.D. Pb: 11.1mg/kg PBBs: N.A. PBDEs: N.A.
Color ring inductance	Color ring inductance	CTI	LCZC16030328-E	Cd: N.D. Cr6+: N.D. Hg: N.D. Pb: N.D. PBBs: N.D. PBDEs: N.D.
<p>NOTE:</p> <p>Lead (Pb)          Cadmium (Cd)          Mercury (Hg)</p> <p>Hexavalent Chromium (Cr6+)          Polybrominated Biphenyls (PBBs)</p> <p>Polybrominated Diphenylethers (PBDEs)          Dibutyl phthalate (DBP).</p> <p>Butyl benzyl phthalate (BBP)          Bis (2-ethylhexyl) phthalate (DEHP)</p> <p>Diisobutyl Phthalates (DIBP)</p>				



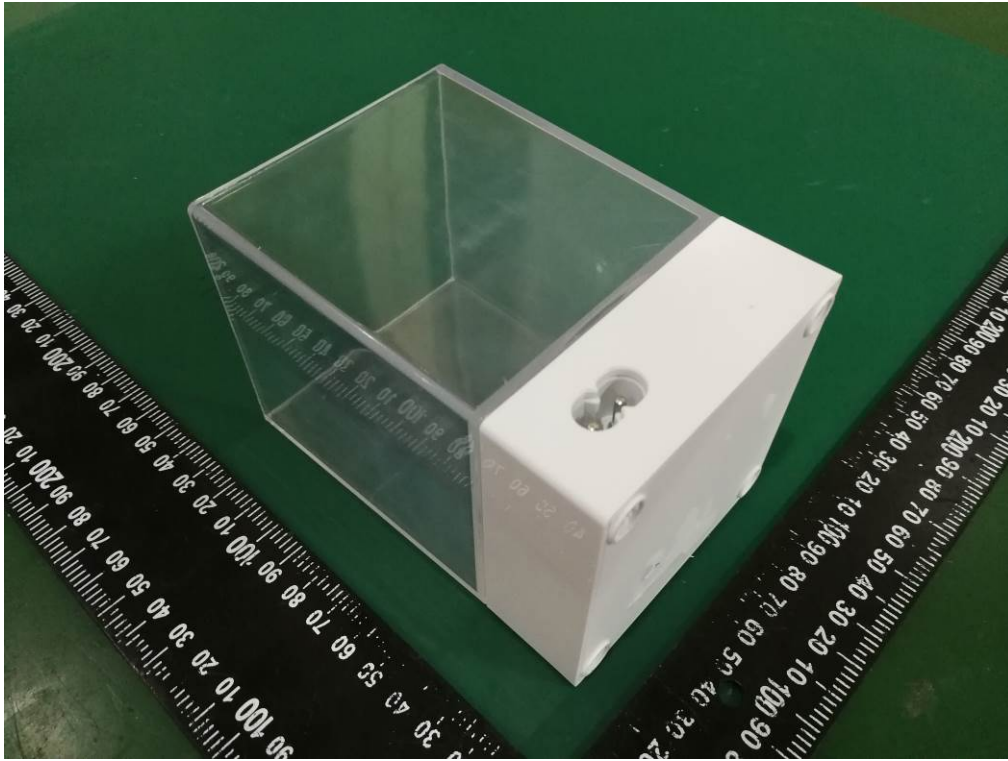
## Note :

1. N.D.= Not detected (< 2 ppm) For Pb, Cd, Hg, Cr6+ N.D.= Not detected (< 5 ppm) For PBBs, PBDEs
2. Negative= means the absence of CrVI on the tested areas
3. Exempt= The copper alloy containing up to 4% lead by weight
4. Lead in glass of cathode ray tubes (CRT), electronic components and fluorescent tubes are exempted.
5. Lead in electronic ceramic parts are exempted.
6. The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
7. On 4 June 2015, Commission Directive (EU) 2015/863 was published in the Official Journal of the European Union (OJEU) to include the phthalates BBP, DBP, DEHP and DIBP into ANNEX II of the Rohs Recast Directive. The new law restricts each phthalate to no more than 0.1% in each homogeneous material of an electrical product.
8. The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
9. The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.
10. The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.
11. According to the declaration from the client, Lead (Pb) in specimen is exempted by EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU based on: 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.
12. According to the declaration from the client, Lead (Pb) in specimen is exempted by EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU based on: Copper alloy containing up to 4 % lead by weight.

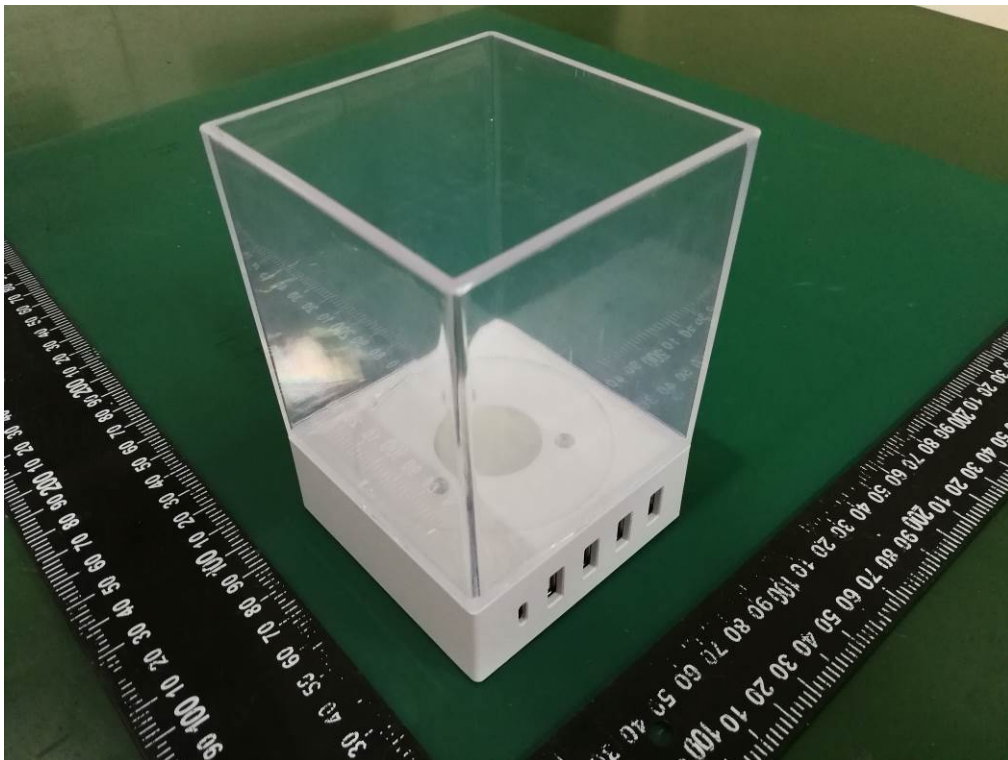
## Disclaim:

- (1) Any doubts for final report, retest of the finished product(s) will be conducted at client cost.
- (2) ANCI do not take the responsibility for any mistake caused by inaccurate and invalid information submitted by client.

### 3. EUT photos



Over view



Over view