

E-mail:info@cti-cert.com

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Report No.: SZT09051909726

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AFETY. Clause	Description	Assessment
<u>Ciause</u> 4.	Safety Requirements	Assessment
4. 4.1	Material Quality (Visual Examination)	Pass
4.2	Flammability Test	
T. 2	Training Test.	(See Note 1)
4.3	Toxicology	(See Note 1)
4.3.5	Paint & Similar Surface-coating Material	Pass ^{#02}
	$^{\#02}$ =CTI conducted toxic elements on the components which were	(See Note 2)
	identified by the client, and the testing results can meet the standard	
	requirement.	
4.6	Small Objects	N/A
4.7	Accessible Edges	. Pass
4.9	Accessible Points	Pass
4.11	Nails & Fasteners	Pass
4.18	Holes, Clearance & Accessibility of Mechanisms	Pass
7.	Producers Markings	
7.1	Producers Markings	. Pass
8.	Test Method	
8.5	Normal Use Testing	. Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass
8.10	Compression Test	Pass
N/A = Not	Applicable	
Note 1:		
<u>Flammabil</u>	ity Test (Clause 4.2)	
Flammabil	lity Test on Solid	
Sample	Burning Rate (inch/sec) Limit	(inch/sec)
Cell Phone	e Calculator 0.04	0.1

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Note 2 :

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ASTM F963-08 CLAUSE 4.3.5 - PAINT & SIMILAR SURFACE-COATING MATERIAL

Heavy Metals Analysis : Total Lead (Clause 4.3.5.1)

Acid Digestion Method was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

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Element	Result(<u>Limit</u>	
	(1)	(2)	(mg/kg)
Total Lead	< 5	< 5	600

Tested Components:

- (1) Bright silver coating
- (2) Silver coating

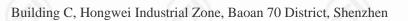
Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

Acid Extraction Method was Used in accord with ASTM F963-08 (Clause 8.3) and Toxic Elements Content were Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

<u>Elements</u>	<u>Result</u> (mg/kg)		
	(1)	(2)	(mg/kg)
Soluble Antimony (Sb)	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	25
Soluble Barium (Ba)	<5	<5	1000
Soluble Cadmium (Cd)	<5	<5	75
Soluble Chromium (Cr)	<2.5	<2.5	60
Soluble Lead (Pb)	<5	<5	90
Soluble Mercury (Hg)	<2.5	<2.5	60
Soluble Selenium (Se)	<5	<5	500

Tested Components:

- (1) Bright silver coating (Sample weight=12.0mg)
- (2) Silver coating (Sample weight=34.4mg)



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- < = Less than
- mg/kg = Milligram per kilogram based on dry weight of sample
- Results shown of soluble elements are of adjusted analytical results by subtracting analytical correction factor

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Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used.

Note:

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Only applicable clauses were shown.

2) US CONSUMER PRODUCTS SAFETY IMPROVEMENT ACT 2008 (CPSIA)

▼ LEAD IN SUBSTRATE MATERIALS OF CHILDREN'S PRODUCT

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA), Acid Digestion Method was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

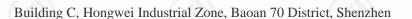
<u>Element</u>	<u>Result</u> (ppm)			Required Limit #1
	(1)	(2)	(3)	(ppm)
Total Lead	<5	<5	<5	600

Tested Components:

- (1) Black plastic
- (2)Transparent plastic film
- (3) Silver electro-plated metal(screw)

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
 - $^{\#1}$ = The total Lead limit for substrate materials will be **300ppm** (Effective Date : August 14, 2009)





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▼ <u>PHTHALATES IN CHILDREN'S TOY AND CHILD CARE ARTICLES</u>

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA), Solvent extraction Method was Used and phthalates were Determined by Gas Chromatograph with Mass Spectrometer (GC-MS).

Material(s) in toys and childcare articles				
Tested Item	<u>Result</u> (%)	Limit#		
	(1)/(2)	(%)		
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	0.1		
Dibutyl Phthalate (DBP)	<0.003	0.1		
Benzylbutyl Phthalate (BBP)	<0.003	0.1		

Material(s) in toys that can be placed in mouth	h and childcare articles	
Tested Item	Result (%)	Limit#
	(1)/(2)	(%)
Diisononyl Phthalate (DINP)	<0.005	0.1
Di-n-octyl Phthalate (DNOP)	<0.003	0.1
Diisodecyl Phthalate (DIDP)	<0.005	0.1

Tested Components:

(1) Black plastic

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(2) Transparent plastic with adhesive(screen)

Remark:

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- < = Less than
- %= Percentage based on dry weight of sample
- # = The limit for the test result is 1/n of the value column (where " n" is the number of mixed samples)
- ^{#01} : CTI conducted phthalates on the components which were identified by the client, and the testing results can meet CPSIA requirement.

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Photo of the sample

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*** End of report ***

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