

Test Report

Report No.: SZT09050708886001

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Client : CSP INC
Address : PO BOX 1157 GLENDALE AZ.85311

Report on the submitted sample said to be:

Sample Name : Set of 2 Tattoo Gel Pens
Item No. : 04-913
Quantity of Sample : 3 PCS
Buyer : Kids'Korner
Country of Origin : China
Exported to : U.S.A
Labelled Age Grading : 3+
Sample Received Date : May. 07, 2009
Resubmitted Sample Date : May. 19, 2009
Sample Tested Date : May. 07, 2009 to May. 21, 2009

TEST REQUEST

US Consumer Products Safety Improvement Act 2008 (CPSIA)

- Lead in surface-coatings and similar materials of children's product
- Lead in substrate materials of children's product
- Phthalates in children's toys and child care articles

Test Results: Please refer to next page(s)

CONCLUSION

PASS

PASS

PASS^{#01}

Inspected by: _____

Engineer

Approved by: _____

Victor wang
Lab Manager

Approved date: _____



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▼ LEAD IN SURFACE-COATING AND SIMILAR MATERIALS OF CHILDREN'S PRODUCT

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA) and Title 16 Part 1303 Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A, Acid Digestion Method was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Element	Result (ppm)				Required Limit ^{#1} (ppm)
	(1)	(2)	(3)	(4)	
Total Lead	<5	<5	<5	<5	600

Tested Components:

- (1) Orange coating with bright silver coating(penholder)
- (2) Blue coating with bright silver coating(penholder)
- (3) Red ink
- (4) Blue ink

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- ^{#1} = The total Lead limit for surface coatings and similar materials will be **90ppm** (Effective Date : August 14, 2009)

▼ 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).

Element	Result (ppm)								Required Limit ^{#2} (ppm)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Total Lead	<5	<5	<5	<5	<5	<5	8	89	600

Tested Components:

- | | |
|---|---|
| (1) Transparent red hard plastic(cap of pen) | (5) Transparent hard plastic(penholder) |
| (2) Transparent blue hard plastic(cap of pen) | (6) Transparent plastic(pen core) |
| (3) Transparent blue plastic(pen adaptor) | (7) Silver metal(penpoint) |
| (4) Transparent red plastic(pen adaptor) | (8) Silver metal(pen ball) |

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Remark:

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

▼ PHTHALATES IN CHILDREN’S TOY AND CHILD CARE ARTICLES

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	Result (%)	Limit# (%)
	(1)/(2)/(3)	
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 and childcare articles		
Tested Item	Result (%)	Limit# (%)
	(1)/(2)/(3)	
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) Transparent red plastic(pen adaptor)
- (2) Transparent blue plastic(pen adaptor)
- (3) Transparent plastic(pen core)

Remark:

- <= 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



*** End of report ***

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