



Test Report

No.: SZTY1106033855LP

Date: JUL 11, 2011

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SHANTOU GOOD GEMS PAPER PLASTIC PRODUCTS CO., LTD.
302. J4TH. BL. COMMERCIAL STREET,
HAOJIANG DISTRICT, SHANTOU
GUANGDONG, CHINA

The results of this report are extracted from the test report number SZTY1106033851LP where the sample(s) / material(s) of sample is(are) claimed to be identical.

The following samples were submitted and identified by/on behalf of the client as:

Name of Product/Item : COLOUR DOUGH
 Style / Item No. : 8317 8318 8319 8320 8321 8322 8323 8324 8501 8502 8503 8504 8505
 8506 8507 8508 8509 8510 8511 8512 8513 8514 8515 8516 8517 8518
 8519 8520 8521 8522 8523 8524 8601 8602 8603 8604 8605 8606 8607
 8608
 Requested Age Grading : 3+
 Sample Receiving Date : JUN 30, 2011
 Testing Period : JUN 30, 2011 TO JUL 08, 2011

Test Requested	Result
1) Determination of specified phthalates contents in the submitted composite samples in accordance with US Public Law 110-314 (Consumer Product Safety Improvement Act of 2008).	PASS
2) Determination of specified phthalates contents in the submitted composite samples in accordance with Entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).	PASS
3) Determination of specified phthalates contents in the submitted composite samples in accordance with Assembly bill of California AB1108.	PASS

***** For Further Details, Please Refer to the Following Page(s) *****

Signed for and on behalf of
SGS-CSTC Ltd.

Ouyang Qin, Cansy
Section Head

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Results:

1) CPSIA Phthalates

Method: With reference to CPSC-CH-C1001-09.3.

Analysis was performed by Gas Chromatography /Mass Spectrometry.

Concentration of phthalates in components of toy that can be placed in the mouth or childcare article

Test item	1	2	Permissible Limit per component
Dibutyl Phthalate (DBP)	N.D.	N.D.	0.1%
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	0.1%
Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	0.1%
Diisononyl Phthalate (DINP)	N.D.	N.D.	0.1%
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	0.1%
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	0.1%
Comment	PASS	PASS	---

Test item	3	4	Permissible Limit per component
Dibutyl Phthalate (DBP)	N.D.	N.D.	0.1%
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	0.1%
Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	0.1%
Diisononyl Phthalate (DINP)	N.D.	N.D.	0.1%
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	0.1%
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	0.1%
Comment	PASS	PASS	---

Sample Description:

1. Dk. red plastics (Toy) + Red plastics (Toy) + Lt. red plastics (Cover)
2. Dull red plastics (Stick) + Translucent plastics (Cup) + Dk. green plastics (Toy)
3. Lt. green plastics (Toy) + Pale green plastics (Toy) + Blue plastics (Toy)
4. Green dough + Purple-red dough

Note : - % = percentage by weight

- 1% = 10000ppm (mg/kg)

- N.D. = not detected

- Method Detection Limit for each of DBP, BBP, DEHP and DNOP = 0.003%

- Method Detection Limit for each of DINP and DIDP = 0.01%

- Composite test has been performed and the result(s) is (are) calculated using the total sample weight.

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2) REACH Phthalates (DBP, BBP, DEHP, DINP, DNOP, DIDP)

Method: With reference to CPSC-CH-C1001-09.3.

Analysis was performed by Gas Chromatography /Mass Spectrometry.

For toys and childcare articles that can be placed in the mouth

Test items		1	2	Detection Limit
Dibutyl phthalate	(DBP)	N.D.	N.D.	0.003%
Benzyl butyl phthalate	(BBP)	N.D.	N.D.	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	N.D.	N.D.	0.003%
Di-"isononyl" phthalate	(DINP)	N.D.	N.D.	0.010%
Di-n-octyl phthalate	(DNOP)	N.D.	N.D.	0.003%
Di-"isodecyl" phthalate	(DIDP)	N.D.	N.D.	0.010%
Total (DBP+BBP+DEHP)		N.D.	N.D.	--
Total (DINP+DNOP+DIDP)		N.D.	N.D.	--
Conclusion (for EU requirement)		Pass	Pass	--

Test items		3	4	Detection Limit
Dibutyl phthalate	(DBP)	N.D.	N.D.	0.003%
Benzyl butyl phthalate	(BBP)	N.D.	N.D.	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	N.D.	N.D.	0.003%
Di-"isononyl" phthalate	(DINP)	N.D.	N.D.	0.010%
Di-n-octyl phthalate	(DNOP)	N.D.	N.D.	0.003%
Di-"isodecyl" phthalate	(DIDP)	N.D.	N.D.	0.010%
Total (DBP+BBP+DEHP)		N.D.	N.D.	--
Total (DINP+DNOP+DIDP)		N.D.	N.D.	--
Conclusion (for EU requirement)		Pass	Pass	--

Specimen Description:

1. Dk. red plastics (Toy) + Red plastics (Toy) + Lt. red plastics (Cover)
2. Dull red plastics (Stick) + Translucent plastics (Cup) + Dk. green plastics (Toy)
3. Lt. green plastics (Toy) + Pale green plastics (Toy) + Blue plastics (Toy)
4. Green dough + Purple-red dough

Note : - N.D. = Not Detected (lower than Detection Limit)

- % = percentage by weight

- The results shown as N.D. (Not Detected) are ignored in the sum calculation.

- Composite test has been performed and the result(s) is (are) calculated using the total sample weight.

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Remark: Summary of upper limits of requirements:

Requirements	Upper Limit
Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006	
- For all toys and childcare articles	- Total (DBP+BBP+DEHP) ≤ 0.1%
- For toys and childcare articles that can be placed in the mouth	- Total (DINP+DNOP+DIDP) ≤ 0.1%

3) Assembly bill of California AB1108- Phthalates Contents

Method: With reference to CPSC-CH-C1001-09.3.

Analysis was performed by Gas Chromatography /Mass Spectrometry.

For toys and childcare articles intended for used by children under 3 years and can be placed into mouth

Test items		1	2	Detection Limit
Dibutyl phthalate	(DBP)	N.D.	N.D.	0.003%
Benzyl butyl phthalate	(BBP)	N.D.	N.D.	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	N.D.	N.D.	0.003%
Di-"isononyl" phthalate	(DINP)	N.D.	N.D.	0.010%
Di-n-octyl phthalate	(DNOP)	N.D.	N.D.	0.003%
Di-"isodecyl" phthalate	(DIDP)	N.D.	N.D.	0.010%
Conclusion (for US requirement)		Pass	Pass	--

Test items		3	4	Detection Limit
Dibutyl phthalate	(DBP)	N.D.	N.D.	0.003%
Benzyl butyl phthalate	(BBP)	N.D.	N.D.	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	N.D.	N.D.	0.003%
Di-"isononyl" phthalate	(DINP)	N.D.	N.D.	0.010%
Di-n-octyl phthalate	(DNOP)	N.D.	N.D.	0.003%
Di-"isodecyl" phthalate	(DIDP)	N.D.	N.D.	0.010%
Conclusion (for US requirement)		Pass	Pass	--

Specimen Description:

1. Dk. red plastics (Toy) + Red plastics (Toy) + Lt. red plastics (Cover)
2. Dull red plastics (Stick) + Translucent plastics (Cup) + Dk. green plastics (Toy)
3. Lt. green plastics (Toy) + Pale green plastics (Toy) + Blue plastics (Toy)
4. Green dough + Purple-red dough

Note : - N.D. = Not Detected (lower than Detection Limit)
 - % = percentage by weight
 - Composite test has been performed and the result(s) is (are) calculated using the total sample weight.

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Remark: Summary of upper limits of requirements:

Requirements	Upper Limit
Assembly bill of California AB1108	
- For all toys and childcare articles	- DEHP, BBP or DBP ≤ 0.1%
- For toys and childcare articles intended for used by children under 3 years and can be placed into mouth	- DINP, DNOP or DIDP ≤ 0.1%

Sample Photo:



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*** End of Report ***

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