

Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 1 of 9

Applicant. : Super Duper Publications
5201 Pelham Road, Greenville, SC 29615, USA

Application No. : DIR119245

Item Name : Granny's Candies Verbs Level3

Item No. : GB156

Buyer : S090- Super Duper Publications

Country Of Destination : America

Sample received date: : Nov 21, 2011

Test Period : Nov 21, 2011 To Nov 23, 2011

TEST REQUEST	RESULT
A) PHYSICAL AND MECHANICAL, ASTM F963-08 - PRODUCT SET	PASS
B) FLAMMABILITY TEST OF MATERIALS, ASTM-F963-08 - PRODUCT SET	PASS
C) TO DETERMINE TOTAL LEAD AND SOLUBLE ELEMENT CONTENTS IN THE SUBMITTED SAMPLE (S) IN ACCORDANCE WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS-ASTM F963-08.	PASS
D) U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R.4040), TITLE 1, SECTION 101 FOR TOTAL LEAD CONTENT IN SURFACE COATING.	PASS
E) U.S.CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008(H.R.4040), TITLE1 SECTION108 REQUIREMENT ON PHTHALATE.	PASS
F) TO DETERMINE LEAD, CADMIUM, MERCURY AND HEXAVALENT CHROMIUM CONTENT IN THE SUBMITTED SAMPLE IN ACCORDANCE WITH US MODEL TOXICS IN PACKAGING LEGISLATION (TPCH: TOXICS IN PACKAGING CLEARING HOUSE) (FORMERLY DRAFTED BY CONEG).	PASS

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

SIGN FOR AND ON BEHALF OF
DPI LABORATORY



FANNY LAU
LABORATORY MANAGER

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Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 2 of 9

A) AS PER ASTM F963-08 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY.

THE SUBMITTED SAMPLES WERE UNDERGONE THE USE AND ABUSE TESTS IN ACCORDANCE WITH THE FEDERAL HAZARDOUS SUBSTANCES ACT (FHSA), TITLE 16, CODE OF FEDERAL REGULATIONS:

TEST	FHSA	PARAMETER
IMPACT	SECTION 1500.53(b)	4 DROPS × 3 FT
TORQUE	SECTION 1500.53(e)	4 IN-LBF, 10 SEC
TENSION	SECTION 1500.53(f)	15 LBF, 10 SEC
COMPRESSION	SECTION 1500.53(g)	30 LBF, 10 SEC

<u>CLAUSE</u>	<u>DESCRIPTION</u>	<u>RESULT</u>
4.1	MATERIAL QUALITY	P
4.2	FLAMMABILITY	P (SEE PART B)
4.4	ELECTRICAL/THERMAL ENERGY	NA
4.5	SOUND-PRODUCING TOYS	NA
4.6	SMALL OBJECTS	NA
4.7	ACCESSIBLE EDGES	P
4.8	PROJECTIONS	NA
4.9	ACCESSIBLE POINTS	P
4.10	WIRES OR RODS	NA
4.11	NAILS AND FASTENERS	NA
4.12	PACKAGING FILM	NA
4.13	FOLDING MECHANISMS AND HINGES	NA
4.14	CORDS, STRAPS AND ELASTICS	NA
4.15	STABILITY AND OVER-LOAD REQUIREMENTS	NA
4.16	CONFINED SPACES	NA
4.17	WHEELS, TIRES AND AXLES	NA
4.18	HOLES, CLEARANCE, AND ACCESSIBILITY OF MECHANISMS	NA
4.19	SIMULATED PROTECTIVE DEVICES	NA

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Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 3 of 9

4.20	PACIFIERS	NA
4.21	PROJECTILES TOYS	NA
4.22	TEETHERS AND TEETHING TOYS	NA
4.23	RATTLES	NA
4.24	SQUEEZE TOYS	NA
4.25	BATTERY-OPERATED TOYS	NA
4.26	TOYS INTENDED TO BE ATTACHED TO A CRIB OR PLAYPEN	NA
4.27	STUFFED AND BEANBAG-TYPE TOYS	NA
4.28	STROLLER AND CARRIAGE TOYS	NA
4.29	ART MATERIALS	NA
4.30	TOY GUN MARKINGS	NA
4.31	BALLOONS	NA
4.32	CERTAIN TOYS WITH SPHERICAL ENDS	NA
4.33	MARBLES	NA
4.34	BALLS	NA
4.35	POMPOMS	NA
4.36	HEMISPHERIC-SHAPED OBJECTS	NA
4.37	YO YO ELASTIC TETHER TOYS	NA
4.38	MAGNETS	NA
4.39	JAW ENTRAPMENT IN HANDLES AND STEERING WHEELS	NA
5.	SAFETY LABELING REQUIREMENTS	P
6.	INSTRUCTIONAL LITERATURE	P
7.	PRODUCER'S MARKINGS	P

NOTE : THE SUBMITTED SAMPLES WERE UNDERGONE THE TESTS IN ACCORDANCE WITH SECTION 8.5 THROUGH SECTION 8.18 AND 8.20 THROUGH 8.25 ON NORMAL USE, ABUSE AND SPECIFIC TESTS FOR DIFFERENT TYPES OF TOYS WHICHEVER IS APPLICABLE.
P = PASS, NA = NOT APPLICABLE

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Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 4 of 9

B) AS PER SECTION 4.2 OF THE ASTM F963-08 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY.

FLAMMABILITY TEST FOR SOLIDS AND SOFT TOYS (CLAUSE 4.2, ANNEX A4)

<u>SAMPLE</u>	<u>BURNING RATE (INCH/SEC.)</u>	<u>LIMIT (INCH/SEC.)</u>
BOOK	DID NOT IGNITE	0.1

THE SUBMITTED TOY SAMPLE AND ITS ACCESSORIES WERE TESTED, THE ABOVE RESULT ONLY SHOWED THE MOST SEVERE BURN RATE OF THE SAMPLES.

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Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 5 of 9

C) ASTM F963-08 – Heavy Metal Analysis

Total Lead Content (Clause 4.3.5.1)-Sample was digested in concentrated nitric acid.

Soluble Element Contents (Clause 4.3.5.2)-Samples was extracted by dilute hydrochloric acid in accordance with ASTM F963-08 (Clause 8.3).

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Result: (Unit: ppm)

Element	No.1	No.2	No.3	Limit (ppm)
Total Lead (Pb)	<2	<2	<2	90
Soluble Antimony (Sb)	<2	<2	<2	60
Soluble Arsenic (As)	<2	<2	<2	25
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Mercury (Hg)	<2	<2	<2	60
Soluble Selenium (Se)	<5	<5	<5	500

Test Part Description:

No.1: Multi-color coating on paper (cards)

No.2: Multi-color coating on paper (instruction)

No.3: Transparent glue (instruction)

Note: 1. < = Less Than

2. mg/kg = ppm

3. Results of soluble elements shown are of the adjusted analytical results.

4. The samples have been tested in accordance with the client's requirement.

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Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 6 of 9

D) Total Lead (Pb) Content in Surface Coating

Method: ASTM E1645-01 (Reapproved 2007) preparation of dried paint sample by hotplate or microwave digestion for subsequent lead analysis. Total lead content was determined by Atomic Absorption Spectrophotometry (AAS).

Test Result: (Unit: ppm)

Test Item	No.1	No.2	No.3	Permissible Limit (ppm)
Total lead (Pb)	<2	<2	<2	90

Test Part Description:

No.1: Multi-color coating on paper (cards)

No.2: Multi-color coating on paper (instruction)

No.3: Transparent glue (instruction)

Note: 1. < = Less Than

2. ppm=mg/kg

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E) PHTHALATE CONTENT TEST

As per Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.3 was used and phthalate content was determined by Gas Chromatography / Mass Spectrometry (GC-MS).

Test Result: (Unit: %, w/w)

Toys and childcare articles:

Test Content	No.1	No.2	No.3	Permissible Limit (% , w/w)
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	0.1%
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	0.1%
Di-(2-ethylhexyl)Phthalate(DEHP)	N.D.	N.D.	N.D.	0.1%

REMARK: THE ABOVE LIMIT WAS QUOTED ACCORDING TO US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R.4040) FOR PROHIBITION ON SALE OF CERTAIN PRODUCTS CONTAINING SPECIFIED PHTHALATES.

Test Part Description:

No.1: Multi-color coating on paper (cards)

No.2: Multi-color coating on paper (instruction)

No.3: Transparent glue (instruction)

Note: 1. 0.1% = 1000ppm

2. N.D. = Not detected

3. Method Detection Limit (MDL) for DBP, BBP and DEHP =0.01% respectively.

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F) US Model Toxics in Packaging Legislation(TPCH: Toxics in Packaging Clearing House) (formerly drafted by CONEG)

Wet acid digestion and EPA3060. Analysis was performed by Inductively Coupled Plasma Optima Emission Spectrometer (ICP-OES) and UV-VIS Spectrophotometer.

Test Result: (Unit: ppm)

Test Item	No.1	No.2	No.3	No.4	No.5	Limit (ppm)
Cadmium (Cd)	<2	<2	<2	<2	<2	---
Hexavalent Chromium (Cr (VI))	<2	<2	<2	<2	<2	---
Lead (Pb)	<2	<2	3.4	<2	5.0	---
Mercury (Hg)	<2	<2	<2	<2	<2	---
Total (Pb+Cd+Hg+Cr (VI))	<8	<8	3.4-9.4	<8	5.0-11.0	100

Test Part Description:

No.1: Transparent polybag (packaging of cards) & Transparent plastic film (shrink wrap)

No.2: White plastic (blister)

No.3: Multi-color coating on paper (box)

No.4: White paper excluded coating (box)

No.5: Gray-white paper excluded coating (box)

Note: 1. < = Less Than

2. mg/kg = ppm.

3. "-" = Not regulated.

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Test Report

No.: DPI111100823CP

Date: Nov 24, 2011

Page 9 of 9

Sample Photo:



DPI authenticate the photo on original report only

*** End of Report ***

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