

TEST REPORT

Report No. : SL:TX: 6670004014

DATE : 06/05/15

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

R E S U L T S

REQ

The Green Rubber Toy Company (Pvt) Limited
300, IDH Road
Kolonnawa-
Sri Lanka

CONTACT PERSON : MR. DHANANJAYA RATHNAYAKE

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	SOFT FILL TOY BULL – M (Height- 115mm /width-50mm/ length- 180mm)	
	PACKAGING	: NOT PROVIDED
	REQUESTED AGE GRADING	: OVER 12 MONTHS
	LABELED AGE GRADING	: OVER 12 MONTHS
	AGE GROUP APPLIED IN TESTING	: OVER 10 MONTHS
	SGS ASSESSED AGE	: OVER 10 MONTHS
	MANUFACTURER	: THE GREEN RUBBER TOY COMPANY (PVT)LTD
	SUPPLIER	: THE GREEN RUBBER TOY COMPANY (PVT)LTD

STYLE NO.	12400				
COUNTRY OF DESTINATION	NOT PROVIDED				
COUNTRY OF ORIGIN	SRI LANKA				
SAMPLE RECD ON	09/04/2015	TEST START DATE	09/04/2015	TEST END DATE	22/04/2015
CARE LABEL INSTRUCTION	WIPE WITH A DAMP CLOTH ONLY				
TEST CONDUCTED	AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO NEXT PAGE(S)				

This is a computer generated report hence signature is not available. An original signed hardcopy can be provided upon request at 141/6, Vauxhall St, Colombo 02, Sri Lanka.

JOE No. : 1567103962

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R E S U L T S **REQ**

TESTING REQUESTED :

CONCLUSION

<p>1) ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY.</p> <ul style="list-style-type: none"> -Mechanical and Physical test - Clause 4.2 Flammability of toys - Clause 4.3.5 Heavy elements – Total Lead content - Clause 4.3.5 Heavy elements – Migration of certain elements - Clause 4.3.7 Stuffing Materials <p>2) US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 (CPSIA)</p> <ul style="list-style-type: none"> - Determination of Lead content in surface coating material of submitted sample in accordance with U.S. Public Law 110-314 - Consumer Product Safety Improvement Act of 2008 (CPSIA), Section 101(f) and Its Amendments Public Law 112-28 - Determination of Phthalate content in surface coating material of submitted sample in accordance with U.S. Public Law 110-314 - Consumer Product Safety Improvement Act of 2008 (CPSIA), Section 108 of the CPSIA, as amended by Public Law 112-28 <p>3) EUROPEAN STANDARD ON SAFETY OF TOYS</p> <ul style="list-style-type: none"> - EN 71- PART 1:2011+A3:2014 Mechanical and Physical Properties Labeling requirement (Washing/ Cleaning label, CE mark, importer/ manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys. - EN 71-2:2011+A1:2014 Flammability of Toys - EN 71-3:2013 Migration of certain elements <p>4) AUSTRALIAN/NEW ZEALAND STANDARD ON SAFETY OF TOYS</p> <ul style="list-style-type: none"> -AS/NZS ISO 8124-1:2013 Physical and Mechanical Properties -AS/NZS ISO 8124- 2:2009 Flammability -AS/NZS ISO 8124-3:2012 Migration of Certain Elements 	<p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>SEE RESULT ON PAGE 12</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p> <p>PASS</p>
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RESULTS :

Details please refer to next pages.

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R E S U L T S

REQ

Results :
ASTM F963 – 11

AS SPECIFIED IN ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clause Relevant to Sample.

Clause	Description	Result
4	<u>Safety Requirements</u>	
4.1	Material Quality **	Pass
4.2	Flammability Test	See Note 01
4.3	Toxicology	
4.3.5	Heavy Elements	See Note 02
	4.3.5.1– Heavy Elements in Paint/Similar Surface Coating Materials	
	4.3.5.2 – Heavy Metal in Substrate Materials	
4.3.7	Stuffing Materials	See Note 03
4.6.1	Small Objects	Pass
4.7	Accessible Edges	Pass
4.8	Projections	Pass
4.9	Accessible Points	Pass
4.27	Stuffed and Beanbag-Type Toys	Pass
5	<u>Safety Labeling Requirements</u>	
5.2	Age Grading Labeling (Note 04:The product or package should indicate the minimum age for intended use)	Pass (See Note 04)
7	<u>Producer's Markings</u>	
7.1	Producer's Markings (Note 05: It is drawn to your attention that either a principal component of a toy or the package shall be marked with the name and address of the distributor.)	Pass (See Note 05)
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

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Certificate No. T-1135 T-1136

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REQ

Note 01 :

Flammability Test (Clause 4.2)
Flammability Test on Solid
Sample

Burning Rate (inch/sec)

BULL

MEDIUM

0.0 (0.028)

*Burning rate has been rounded to the nearest one tenth of an inch per second.

Requirement: A toy is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

NOTE: ONLY APPLICABLE CLAUSES WERE SHOWN.
NA- NOT APPLICABLE
NC- NOT CONDUCTED AS PER CLIENT REQUESTED.
**** VISUAL EXAMINATION**

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SGS Lanka (Pvt) Ltd

Member of the SGS Group

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REQ

Note 02 :

ASTM F963-11, Clause 4.3.5.1– Heavy Elements in Paint/Similar Surface Coating Materials

SOLUBLE HEAVY METALS

As specified in ASTM F 963-11 standard consumer safety specification for toy safety clause 4.3.5, acid extraction methods specified in clause 8.3 were used and toxic elements content were determined by ICP-OES.

Test Item (Soluble)	Result (mg/kg)			Rep. Limit (mg/kg)	Limit (mg/kg)
	1 + 2+3	4	5		
Antimony (Sb)	ND	ND	ND	10	60
Arsenic (As)	ND	ND	ND	10	25
Barium (Ba)	ND	82	52.44	50	1000
Cadmium (Cd)	ND	ND	ND	10	75
Chromium (Cr)	ND	ND	ND	0.15	60
Lead (Pb)	ND	ND	ND	10	90
Mercury (Hg)	ND	ND	ND	10	60
Selenium (Se)	ND	ND	ND	10	500

Sample Description

- 1 – White
- 2 - Yellow
- 3 - Black
- 4 – Brown
- 5 - Pink

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REQ

US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 (CPSIA)

LEAD IN SURFACE-COATINGS AND SIMILAR MATERIALS OF CHILDREN'S PRODUCTS

As specified in Consumer product safety improvement Act of 2008 (CPSIA) , method CPSC-CH-E1003-09-1 was used and total lead content was determined by ICP-OES and /or AAS.

Test Results:

Tested Item	Result (mg/kg)		Limit (mg/kg)
	1+2+3	4+5	
Total Lead	ND	6.9	90
LRL	5		

Sample Description

- 1 – White
- 2 - Yellow
- 3 - Black
- 4 – Brown
- 5 - Pink

Remark:

- ND = Not detected
- LRL = Lower Reporting Limit

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REQ

LEAD IN SUBSTRATE MATERIALS OF CHILDREN'S PRODUCTS

ASTM F963-11, 4.3.5.2 – Heavy Metal in Substrate Materials

As specified in Consumer product safety improvement Act of 2008 (CPSIA), method CPSC-CH-E1003-09-1 was used and total lead content was determined by ICP-OES and /or AAS.

Test Results:

Tested Item	Result (mg/kg)		Limit (mg/kg)
	1+2+3	4+5	
Total Lead	ND	7.0	100
LRL	5		

Sample Description

- 1 – White
- 2 - Yellow
- 3 - Black
- 4 – Brown
- 5 - Pink

Remark:

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PHTHALATES IN CHILDREN'S TOYS AND CHILD CARE ARTICLES

As specified in Consumer product safety improvement Act of 2008 (CPSIA) , method CPSC-CH-C1001-09.3 was used and phthalates were determined by gas chromatograoh with mass spectrometry (GC-MS)

Test Results:

Tested Item	Result (%)			LOD (%)	Limit (%)
	1	2+3+4	5		
Bis(2-EthylHexyl)Phthalate (DEHP)	ND	ND	ND	0.005	0.1
Dibutyl Phthalate (DBP)	0.030	0.038	0.038	0.005	0.1
Benzyl Butyl Phthalate (BBP)	ND	ND	ND	0.005	0.1
Di-isononyl Phthalate (DINP)	ND	ND	ND	0.015	0.1
Di-octyl phthalate (DNOP)	ND	ND	ND	0.005	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	0.015	0.1

Sample Description

- 1 – White
- 2 - Yellow
- 3 - Black
- 4 – Brown
- 5 - Pink

Remark:

- ND = Not detected
- LOD = Limit of Detection

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R E S U L T S

REQ

Actual colour

- White
- Black
- Beige - Yellow + Brown
- Light Pink – Pink + White
- Light Beige – Brown + Yellow +White

Note 03 :

Stuffing Materials (Clause 4.3.7)

- STUFFING MATERIALS CLEANLINESS

AS SPECIFIED IN CHAPTER 16 OF OFFICIAL METHODS OF ANALYSIS OF THE ASSOCIATION OF OFFICIAL ANALYTICAL CHEMISTS

Method: With reference to Standard Consumer Safety Specification for Toy Safety, ASTM F963-11 Clause 4.3.7

Loose Fillers / Fibre Filling

Test Item(s)	Result(s)	Requirement
Specimen No.	1	
Light Filth	Absent	Absent
Heavy Filth	Absent	Absent

Specimen Description:

1. White poly fiber

- U.S. PENNSYLVANIA STUFFED TOY LAW

AS SPECIFIED IN TITLE, CHAPTER 34, CHAPTER 47, SECTION 47.317, TOLERANCES OF THE COMMONWEALTH OF PENNSYLVANIA REGULATION FOR STUFFED TOYS

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R E S U L T S

REQ

Fibre Filling

Test Item(s)	Result(s)	MDL	Permissible Limit
	1		
Material Visibly Reveal a Pattern, Weave, or Other Mechanical Unification of Threads to Indicate Prior Use or a Previous Manufacturing Process	Absent	--	Absent
Dirt and Foreign Matter	ND	0.1%	1.0%
Oil and Grease (use Petroleum Ether as Solvent)	ND	0.1%	1.0%
Lead Content (as Pb)	ND	0.002%	0.002%
Arsenic Content (as As ₂ O ₃)	ND	0.0002%	0.0002%
Ammonia Content	ND	5.0%	5.0%
Urea Content	ND	1.0%	1.0%
Plastic or Metal Ornaments	Not Applicable	--	Not Detached
Stones or Other Materials Having Jagged or Sharp Edges	Absent	--	Absent
Electrostatic Charge	Absent	--	Absent
Surface Burn Rate	> 3 seconds per 12inches ²	--	> 3 seconds per 12 inches ²

Specimen Description:

- White poly fiber

- Note:
- % = percentage by weight
 - > = greater than
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)

Note: This test was subcontracted to SGS Hong Kong Ltd

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PHYSICAL AND MECHANICAL PROPERTIES

EN 71- PART 1:2011+A3:2014

4	GENERAL REQUIREMENTS	
4.1	MATERIAL CLEANLINESS	PASS
4.7	EDGES	PASS
4.8	POINTS AND METALLIC WIRES	PASS
4.9	PROTRUDING PARTS	PASS
5	TOYS INTENDED FOR CHIDREN UNDER 36 MONTHS	
5.1	GENERAL REQUIRMENTS	PASS
5.1a	small parts requirement	PASS
5.1b	Torque Test	PASS
	Tension Test	PASS
	Drop Test	PASS
	Impact Test	PASS
	Compression Test	PASS
	Sharp Point	PASS
	Sharp edges	PASS
5.2	SOFT-FILLED TOYS AND SOFT-FILLED PARTS OF A TOY	PASS
7.	WARNINGS, MARKINGS AND INSTRUCTIONS FOR USE	(SEE NOTE 01)
	(Note 01: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold. Only English was reviewed.)	
7.1	GENERAL	PASS (SEE NOTE 02)
	(Note 02: Importer's name, registered trade name or registered trade mark and the address at must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.)	

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- Labeling requirement

Labeling requirement (Washing/Cleaning Instruction, CE mark, importer/ manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safty of toys.

Summary table

	<u>Observation Result</u>	<u>Location</u>
<u>Washing/Cleaning instruction</u>	<u>Present</u>	<u>Toy</u>
<u>CE mark</u>	<u>Present</u>	<u>Toy</u>
<u>Importer's Name & Address</u>	<u>Absent</u>	<u>Toy</u>
<u>Manufacturer's Name & Address</u>	<u>Present</u>	<u>Toy</u>
<u>Product ID</u>	<u>Present</u>	<u>Toy</u>

Note :

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

Observation result;

Washing/Cleaning instruction was found on toy.

CE marking was found on the toy and height is 7.5mm.

Manufacturer name, address was found on the toy.

Product identification 12400 was found on the toy.



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FLAMMABILITY TEST

BS EN 71-2:2011+A1:2014

4. REQUIREMENTS

4.1 GENERAL REQUIREMENTS
4.5 SOFT-FILLED TOYS

PASS
PASS (SEE NOTE)

Note:
Soft-Filled Toys (Clause 4.5)

Sample

Burning Rate (mm/sec)

BULL

MEDIUM

DNI

(Requirement: The rate of spread of flame on the surface of toy shall be not greater than 30 mm/sec or the toy shall self-extinguish)

**NOTE: ONLY APPLICABLE CLAUSES WERE SHOWN.
NA - NOT APPLICABLE
DNI- DID NOT IGNITE**

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HEAVY METALS

Method: with reference to EN 71-3:2013 Analysis of general elements was performed by ICP- OES.

Test Item (Soluble)	Result (mg/kg)					Rep . Limit (mg/kg)	Perm . Limit (mg/kg)
	1	2	3	4	5		
Mass of trace amount (mg)	--	--	--	--	--	--	--
Aluminium (Al)	ND	55.31	ND	ND	3100	50	70000
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	82	ND	10	47
Barium (Ba)	ND	ND	ND	ND	52.44	50	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (Cr)	ND	ND	ND	ND	ND	0.15	--
Chromium (III) (Cr(III))	See Note#	See Note#	See Note#	See Note#	See Note#	1.00	460
Chromium (VI) (Cr(VI))	See Note#	See Note#	See Note#	See Note#	See Note#	0.18	0.2
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	50	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	160
Manganese (Mn)	ND	ND	ND	ND	72.7	50	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	50	56000
Tin (Sn)	ND	ND	ND	ND	ND	4.9	180000
Organic Tin+ --	See Note^	See Note^	See Note^	See Note^	See Note^	0.5	12.0
Zinc (Zn)	ND	ND	ND	ND	96.93	50	46000
Comment	PASS	PASS	PASS	PASS	PASS		



NABL ACCREDITED
Certificate No. T-1135 T-1136

TEST REPORT

Report No. : SL:TX: 6670004014

DATE : 06/05/15

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R E S U L T S

REQ

Sample Description

- 1 – White
- 2 - Yellow
- 3 - Black
- 4 – Brown
- 5 - Pink

Actual colour

White
Black
Beige - Yellow + Brown
Light Pink – Pink + White
Light Beige – Brown + Yellow +White

1. mg/kg = milligram per kilogram
2. ND = not Detected
3. 1% = 10000 mg/kg = 10000 ppm
4. # Confirmation test of soluble chromium (III) and chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN 71-3 :2013
5. Confirmation test of soluble organic tin is not required in case soluble tin , after conversion , does not exceed the soluble organic tin requirement as specified in EN71-3:2013

Note: This test was subcontracted to SGS Gurgaon Lab

JOE No. : 1567103962

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R E S U L T S

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AS/NZS ISO 8124-1:2013

As specified in AS/NZS ISO 8124-1:2013 Australian/New Zealand Standard Safety of Toys Part 1: Safety aspects related to mechanical and physical properties (ISO 8124-1:2009, MOD)

Clause Relevant to Sample.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	Requirements	
4.1	Normal use	Pass
4.2	Reasonably foreseeable abuse	Pass
4.3	Material	
4.3.1	Material quality (Visual Examination)	Pass
4.4	Small parts	
4.4.1	For children up to and including 36 months	Pass
4.6	Edges	
4.6.4	Edges on molded toys	Pass
4.7	Points	
4.7.1	Accessible sharp points	Pass
4.8	Projections	
4.8.1	Projections	Pass
5	Test methods	
5.23	Washable toys	Pass
5.24	Reasonably foreseeable abuse tests	
5.24.1	General	Pass
5.24.2	Drop test	Pass
5.24.5	Torque test	Pass
5.24.6	Tension test	Pass
5.24.6.1	General procedure	Pass
5.24.6.2	Tension test for seams in soft-filled (stuffed) toys and beanbag-type toys	Pass
5.24.7	Compression test	Pass

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Annex B	Safety- labeling guidelines and manufacturer's markings	
	B.2.1 Label definition and location (Note 01: The safety labeling should be in a visible, easily legible, Understandable & indelible form.)	See Note 01
	B.2.2 Age grading (Note 02: The product or package should indicate the minimum age for intended use)	Pass (See Note 02)
	B.4 Manufacturer's markings	Pass

FLAMMABILITY TEST

As specified in Australian/New Zealand Standard on safety of toys
AS/NZS ISO 8124 PART 2:2009.

<u>Clause</u>	<u>Description</u>	
4.1	General requirements	Pass
4.5	Soft-filled toys with a piled or textile surface	Pass

Note :

Soft Filled Toys (AS/NZS ISO 8124-2:2009, Clause 4.5)

<u>Sample</u>	<u>Burning Rate (mm/sec)</u>
BULL M	DNI

(The rate of spread of flame on the surface of toy shall be not greater than 30 mm/sec or shall self-extinguish.)

**NOTE: ONLY APPLICABLE CLAUSE WERE SHOWN.
NA - NOT APPLICABLE
DNI- DID NOT IGNITE**

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SOLUBLE HEAVY METALS

AS/NZS ISO 8124.3:2012, acid extraction methods specified in clause 8.1 were used and toxic elements content were determined by ICP-OES.

Test Item (Soluble)	Result (mg/kg)			Rep. Limit (mg/kg)	Limit (mg/kg)
	1 + 2+3	4	5		
Antimony (Sb)	ND	ND	ND	10	60
Arsenic (As)	ND	ND	ND	10	25
Barium (Ba)	ND	82	52.44	50	1000
Cadmium (Cd)	ND	ND	ND	10	75
Chromium (Cr)	ND	ND	ND	0.15	60
Lead (Pb)	ND	ND	ND	10	90
Mercury (Hg)	ND	ND	ND	10	60
Selenium (Se)	ND	ND	ND	10	500

Remark:

- ND = Not detected

Sample Description

- 1 - White
- 2 - Yellow
- 3 - Black
- 4 - Brown
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These tests have been performed as per the customer request

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R E S U L T S

REQ

TOY PICTURE



SAMPLE NO: 6670004014

SGS authenticate the photo on original report only

*** End of Report ***