

**TEST REPORT**

**Report No. : SL:TX: 6670003983**

**DATE : 28/04/15**

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 :**

<b>SAMPLE DESCRIPTION</b>	AIR FILL NATURAL RUBBER TOY
	SHARK - (Height- 60mm /width-60mm/ length- 190mm)
	PACKAGING : NOT PROVIDED
	REQUESTED AGE GRADING : OVER 12 MOUNTHS
	LABELED AGE GRADING : NOT PROVIDED
	AGE GROUP APPLIED IN TESTING : OVER 10 MOUNTH
	SGS ASSESSED AGE : OVER 10 MOUNTH
	MANUFACTURER : THE GREEN RUBBER TOY COMPANY (PVT)LTD
	SUPPLIER : THE GREEN RUBBER TOY COMPANY (PVT)LTD

<b>STYLE NO.</b>	20200				
<b>COUNTRY OF DESTINATION</b>	NOT PROVIDED				
<b>COUNTRY OF ORIGIN</b>	SRI LANKA				
<b>SAMPLE RECD ON</b>	09/04/2015	<b>TEST START DATE</b>	09/04/2015	<b>TEST END DATE</b>	21/04/2015
<b>CARE LABEL INSTRUCTION</b>	NOT PROVIDED				
<b>TEST CONDUCTED</b>	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. : 1567103941

Page 1 of 17

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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"> <li>-Mechanical and Physical test</li> <li>- Clause 4.2 Flammability of toys</li> <li>- Clause 4.3.5 Heavy elements – Total Lead content</li> <li>- Clause 4.3.5 Heavy elements – Migration of certain elements</li> </ul> <p>2) US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 (CPSIA)</p> <ul style="list-style-type: none"> <li>- 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</li> <li>- 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</li> </ul> <p>3) EUROPEAN STANDARD ON SAFETY OF TOYS</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- EN 71-2:2011+A1:2014 Flammability of Toys</li> <li>- EN 71-3:2013 Migration of certain elements</li> </ul> <p>4) AUSTRALIAN/NEW ZEALAND STANDARD ON SAFETY OF TOYS</p> <ul style="list-style-type: none"> <li>-AS/NZS ISO 8124-1:2013 Physical and Mechanical Properties</li> <li>-AS/NZS ISO 8124- 2:2009 Flammability</li> <li>-AS/NZS ISO 8124-3:2012 Migration of Certain Elements</li> </ul>	<p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>SEE RESULT ON PAGE 10</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></p> <p><b>PASS</b></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	
4.6.1	Small Objects	Pass
4.7	Accessible Edges	Pass
4.8	Projections	Pass
4.9	Accessible Points	Pass
4.32	Certain Toys and Spherical Ends	Pass
5	<u>Safety Labeling Requirements</u>	
5.2	Age Grading Labeling (Remark 01:The product or package should indicate the minimum age for intended use)	See Remark 01
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

JOE No. : 1567103941

Page 3 of 17

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**REQ**

**Note 01 :**

Flammability Test (Clause 4.2)  
Flammability Test on Solid  
Sample

Burning Rate (inch/sec)

SHARK

0.0 (0.025)

\*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**

JOE No. : 1567103941

Page 4 of 17

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Laboratory Service, 3rd Floor, 141/6, Vauxhall Street, Colombo 2, Sri Lanka. t +94 (0)11 537 62 80 f +94 (0)11 529 94 91 e [sgslanka.ccare@sgs.com](mailto:sgslanka.ccare@sgs.com)  
Multilab Chemical, 2nd Floor, 141/7, Vauxhall Street, Colombo 2, Sri Lanka. t + 94 (0) 11 5376280 f + (0) 11 4717877 e [sgs.lanka@sgs.com](mailto:sgs.lanka@sgs.com) [www.sgs.com](http://www.sgs.com)  
Head Office, 3rd Floor, 140, Vauxhall Street, Colombo 2, Sri Lanka. t + 94 (0) 11 5376280 f + (0) 11 2436404 / 4717879 e [sgs.lanka@sgs.com](mailto:sgs.lanka@sgs.com) [www.sgs.com](http://www.sgs.com)

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**R E S U L T S**

**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		
Antimony (Sb)	ND	ND	10	60
Arsenic (As)	ND	ND	10	25
Barium (Ba)	ND	ND	50	1000
Cadmium (Cd)	ND	ND	10	75
Chromium (Cr)	ND	ND	0.15	60
Lead (Pb)	ND	ND	10	90
Mercury (Hg)	ND	ND	10	60
Selenium (Se)	ND	ND	10	500

Sample Description

- 1 – White
- 2 - Black



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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	
Total Lead	ND	90
LRL	5	

Sample Description

- 1 – White
- 2 - Black

Remark:

- ND = Not detected
- LRL = Lower Reporting Limit



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**R E S U L T S**

**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	
Total Lead	ND	100
LRL	5	

Sample Description

- 1 – White
- 2 - Black

Remark:

- ND = Not detected
- LRL = Lower Reporting Limit

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**R E S U L T S**

**REQ**

**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 chromatograph with mass spectrometry (GC-MS)

Test Results:

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

Sample Description

- 1 – White
- 2 - Black

Remark:

- ND = Not detected
- LOD = Limit of Detection

Actual colour

- White
- Light Grey = White +Black

JOE No. : 1567103941

Page 8 of 17

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**R E S U L T S**

**REQ**

**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
	Sharp Point	PASS
	Sharp edges	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.)	

JOE No. : 1567103941

Page 9 of 17

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**REQ**

**- Labeling requirement**

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

**Summary table**

	<u>Observation Result</u>	<u>Location</u>
<u>Washing/Cleaning instruction</u>	<u>Absent</u>	<u>NA</u>
<u>CE mark</u>	<u>Present</u>	<u>Toy</u>
<u>Importer's Name &amp; Address</u>	<u>Absent</u>	<u>Toy</u>
<u>Manufacturer's Name &amp; 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 soaked. 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;**

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

Manufacturer name, address was found on the toy.

Product identification 20200 was found on the toy.

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**R E S U L T S**

**REQ**

**FLAMMABILITY TEST**

**BS EN 71-2:2011+A1:2014**

**4. REQUIREMENTS**

**4.1 GENERAL REQUIREMENTS**

**PASS**

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

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**R E S U L T S**

**REQ**

**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		
Mass of trace amount (mg)	--	--	--	--
Aluminium (Al)	372.43	ND	50	70000
Antimony (Sb)	ND	ND	10	560
Arsenic (As)	ND	ND	10	47
Barium (Ba)	ND	ND	50	18750
Boron (B)	ND	ND	50	15000
Cadmium (Cd)	ND	ND	5	17
Chromium (Cr)	ND	ND	0.15	--
Chromium (III) (Cr III))	See Note#	See Note#	1.00	460
Chromium (VI) (Cr(VI))	See Note#	See Note#	0.18	0.2
Cobalt (Co)	ND	ND	10	130
Copper (Cu)	ND	ND	50	7700
Lead (Pb)	ND	ND	10	160
Manganese (Mn)	ND	ND	50	15000
Mercury (Hg)	ND	ND	10	94
Nickel (Ni)	ND	ND	10	930
Selenium (Se)	ND	ND	10	460
Strontium (Sr)	ND	ND	50	56000
Tin (Sn)	ND	ND	4.9	180000
Organic Tin+	See Note^	See Note^	0.5	12.0
Zinc (Zn)	ND	ND	50	46000
<b>Comment</b>	<b>PASS</b>	<b>PASS</b>		

JOE No. : 1567103941

Page 12 of 17

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NABL ACCREDITED  
Certificate No. T-1135 T-1136

## TEST REPORT

Report No. : SL:TX: 6670003983

DATE : 28/04/15

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## R E S U L T S

## REQ

### Sample Description

- 1 – White
- 2 - Black

### Actual colour

White  
Light Grey = White +Black

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

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**R E S U L T S**

**REQ**

**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

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**R E S U L T S**

**REQ**

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 (Remark 02 :The product or package should indicate the minimum age for intended use)	See Remark 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

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

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**R E S U L T S**

**REQ**

**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		
Antimony (Sb)	ND	ND	10	60
Arsenic (As)	ND	ND	10	25
Barium (Ba)	ND	ND	50	1000
Cadmium (Cd)	ND	ND	10	75
Chromium (Cr)	ND	ND	0.15	60
Lead (Pb)	ND	ND	10	90
Mercury (Hg)	ND	ND	10	60
Selenium (Se)	ND	ND	10	500

Remark:

- ND = Not detected

Sample Description

- 1 – White
- 2 - Black

# 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: 6670003983**

SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

Page 17 of 17

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