BIG MATS LTD SATRA Technology Centre Ltd Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD United Kingdom Tel: +44 (0) 1536 410000 email: info@satra.com FUR7963G6Y8 www.satra.com

SATRA

**TECHNICAL REPORT** 

BIG	BIG MATS LTD	SATRA reference:	FUR7963G6Y8
	UNIT 6 CAUSEWAY END	Report ID/Issue number:	35687/1
	LAWFORD	Your reference:	
SLTD	CO11 2LH United Kingdom	Date samples received: Date(s) work carried out:	13/12/2023 03/01/2024 to 05/01/2024
$\sim$	'σ'.	Date of report:	09/01/2024
FUD	BIO	IIIA BIO	FUE RIE
1	7963G6Y8 MATSLTD	Testing Requirements	SLTD R7963G6YR MATS

Testing of an item described by the customer as 'Eva foam tile' to EN 71-1:2014+A1:2018 BIG MATS LTD

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FUR7963G6 For SATRA's statements regarding the confidentiality, publication and dissemination of this report, decision rules and UKAS accreditation please see the final page of this technical report.

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Report Signatory

**Report Signed by:** 

BIG MATS LTC Johnny Worthington

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## **Technical Report** BIG MATS LTD

### ASSESSMENT OF THE 'EVA FOAM TILE'

As requested by Big Mats Ltd, SATRA have assessed the item submitted, as detailed below.

177963G678

### SAMPLE SUBMITTED

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BIG MATS LTD Sample reference: Eva Foam Tile Testing conducted by: P. Green

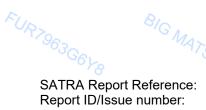
### **TESTS CARRIED OUT**

BS EN 71-1:2014+A1:2018 – Safety of Toys. Part 1 – Mechanical and physical properties. MATSLTD

### CONCLUSION

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The sample referenced 'Eva Foam Tile' was tested and passed the requirements of EN 71-1:2014+A1:2018 - Safety of toys. Part 1 - Mechanical and physical properties, BIG MATS LTD except clause 4.15.4 c), clause 6 and clause 7.1 BIG MATS LTD DR7963G678



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### RESULTS

EN 71-1:2014+A1:2018 – Clause 4 General requirements	Results	Pass/Fail
4.1 Material cleanliness Toys and materials used in toys shall be visually clean and free from infestation. The material shall be assessed visually by the unaided eye rather than under magnification.	The materials used were visually clean and free from infestation	Pass
4.2 Assembly	Not applicable	N/A
4.3 Flexible plastic sheeting	Not applicable	N/A
4.4 Toy bags	Not applicable	N/A
4.5 Glass	Not applicable	N/A/
4.6 Expanding materials	Not applicable	N/A 63
4.7 Edges	Not applicable	N/A 6
4.8 Points and wires	Not applicable	N/A
4.9 Protruding parts	Not applicable	N/A
4.10 Parts moving against each other	Not applicable	N/A
4.11 Mouth-actuated toys and other toys intended to be put in the mouth	Not applicable	N/A
4.12 Balloons	Not applicable	N/A
4.13 Cords of toys and kites and other flying toys	Not applicable	N/A
4.14 Enclosures 4.15 Toys intended to bear the mass of a child	Not applicable	N/A o
<ul> <li>a) Toys shall not collapse when tested according to 8.21 (stability).</li> <li>b) Toys shall not tip over when tested according to 8.23.1 (stability, toys intended to bear the mass of a child).</li> <li>c) Toys intended to bear the mass of a child shall, where appropriate, be accompanied by instruction for use, assembly and maintenance instructions.</li> </ul>	<ul> <li>a). Toy did not collapse when tested to 8.21</li> <li>b). Toy did not tip over when tested to 8.23.1</li> <li>c). No instructions for use, assembly or maintenance instructions were supplied</li> </ul>	Pass Pass N/T
<ul> <li>d) Toys that due to their constructions, strength, design or other factors are not suitable for use by children of 36 months and over shall carry a warning.</li> </ul>	therefore not tested d). Not applicable	N/A
4.16 Heavy immobile toys	Not applicable	N/A
4.17 Projectile toys	Not applicable	N/A
4.18 Aquatic toys and inflatable toys	Not applicable	N/A
4.19 Percussion caps specifically designed for use in toys and toys using percussion caps	Not applicable	N/A
4.20 Acoustics	Not applicable	N/A
4.21 Toys containing a non-electrical heat source	Not applicable	N/A
4.22 Small balls	Not applicable	N/A 960
4.23 Magnets	Not applicable	N/A Score
4.24 Yo-yo balls	Not applicable	N/A
4.25 Toys attached to food	Not applicable	N/A
4.26 Toy disguise costumes	Not applicable	N/A
4.27 Flying toys	Not applicable	N/A
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	14+A1:2018 – Clause 5 ded for children under 36 months	Results	Pass/Fail
	I requirements	Un Bla	E.
	al requirements are as followed:	R790	
	Toys and removeable components of toys shall not,	a). Neither the whole item	Pass
-10	whatever their position, fit entirely in the cylinder	nor any removeable	- LTD
	when tested according to 8.2 (small parts cylinder).	component fit in the small	
	<b>o</b> ( 1 <i>y</i> ,	parts cylinder	
b)	When tested according to 8.3 (torque test), 8.4.2.1	b). See table 1 for results	Pass
Fr.	(tension test, general), 8.5 (drop test), 8.7 (impact	, 	~
1 UR	test) and 8.8 (compression test), toys shall not	ØIG .	FUD-
	produce any parts which, whatever their position fit	MATO	17962
	entirely in the cylinder specified in 8.2 (small parts	SV- SLA	JOD V
	cylinder), or exhibit accessible hazardous sharp	18 <sup>1</sup> 0	~ , ,
	edges (8.11) or accessible hazardous sharp points		
	(8.12).		
c)	Metal points and wires with a cross section of 2mm	c). Not applicable	N/A
	or less that do not necessarily present a sharp point	BIG FL.	D,
960	according to 8.12 are considered to be potentially	CMA. R>	570
Gen Cen	hazardous sharp points. They shall therefore be	TATS, TOG	30
No Vo	assessed to determine whether they present an	- LTD	6Ko
	unreasonable risk of injury taking into account the	$\sim$	. 0
	foreseeable use of the toy.		
d)		d). Not applicable	N/A
D.	5.1 b) above with the exclusion of 8.5 (drop test)		
Q/C	and with the inclusion of a test according to 8.6 (tip	FUD	BIO
	over test).	-7796-	MAN
e)	Glued wooden toys and toys with glued on plastic	e). Not applicable	N/A
	decals shall be tested according to 8.9 (soaking	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- 47
	test) before being tested according to 5.1 b). Flakes		
	of paint that have come loose from painted toys are		
	exempt from being tested according to 8.2 (small		
	parts cylinder). Thick surface coatings such as	E. D.	~
1. 0	varnish are not exempt.	UP>	
TS (t)	The casing of toys intended for children too young	f). Not applicable	N/A
- LTM	to sit up unaided shall not crack when tested	C'OL	°LTA
$\sim$	according to 5.1 b). A crack may be accepted if it	ſď	0
~\	clearly does not create a hazard.	a) The elemps did not	Base
g)	For foam toys and toys containing accessible foam	g). The clamps did not	Pass
~	components, clamps and test fixtures used to	damage the toy such as to	
FUX	perform the tests shall not damage the toy or	affect the results.	FLID
	component such as to affect the results when tested according to 8.3 (torque test) and 8.4.2.1	MAS	R>0-
	(tension test, general).	TS .	630-
	ed toys and soft-filled parts of a toy	Netapplicable	N/A
		Not applicable	
<u>.3 Plastic</u>		Not applicable	N/A
	chains and electrical cables in toys	Not applicable	N/A
.5 Liquid-f		Not applicable	N/A
>	VIG NAL VRS	BIG MATS LTD	6) 53G6120
63	WAT	MATO (79)	<sup>53</sup> G <sub>6Y8</sub>
		14.53	~. X~

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~ors	LTD 640	COL	· · · / /	
	5.6 Speed limitation of electrically-driven ride-on toys	Not applicable	N/A	
	5.7 Glass and porcelain	Not applicable	N/A	
	5.8 Shape and size of certain toys	Not applicable	N/A	
<b>N</b>	5.9 Toys comprising monofilament fibres	Not applicable	N/A	
a/C	5.10 Small balls	Not applicable	N/A	
	5.11 Play figures	Not applicable	N/A	200
	5.12 Hemispheric shaped toys	Not applicable	N/A	<sup>03</sup> Co
	5.13 Suction cups	Not applicable	N/AÒ	~0·
	5.14 Straps intended to be worn fully or partially around the neck	Not applicable	N/A	
[	5.15 Sledges with cords for pulling	Not applicable	N/A	
S.	FUR7963GO BIGMATS, FUR75	BIG MATS	FUR796.3-	B
LTD	Table 1 – Clause 5.1 Torque, tension, drop ar	nd impact test results	GGY G	

### Table 1 – Clause 5.1 Torque, tension, drop and impact test results

	Test	Test Methods	Requireme	ents	Pass/	Fail	
FUR	Torque test	EN 71-1 Clause 8.3	between th torque is ap rotation of	t that can be gripped umb and forefinger a oplied until either a 180° is attained, or a 34Nm is reached.	Pass	8 <sup>3</sup> G6 <sub>78</sub>	IG MATS
	Tension test	EN 71-1 Clause 8.4.2.1	seconds wh	ce of 90N for 10 nen the largest dimension is greater	Pass	BIGMAT	
62	Drop test	EN 71-1 Clause 8.5		dropped 5 times	Pass	181	TD
BIG	Impact test	EN 71-1 Clause 8.7		Illic weight is dropped eight of 100mm onto	Pass	A	URY
	SLTA	O'BGGK		sive force of 110N is	P	TSIN	196 <sub>30</sub>
	Compression test	EN 71-1 Clause 8.8	accessible inaccessibl	ugh a rigid disc on any surface area that is e to flat surface contact drop test or tip over	Pass	~/0	
	FUD	BIG	tests	BIO		FI.	
Г	EN 71-1:2014+A1:2018 -	Clause 6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GMAT			1
47	Packaging	Clause o	-0C	Results	Th	Pass/Fail	Sr.
	Requirements for plastic pa	ackaging		No plastic packaging provided therefore not t	ested	N/T	r oʻ

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EN 71-1:2014+A1:2018 – Clause 7 Warnings and information for use	Results	Pass/Fail
7.1 General	No warnings present/provided therefore not tested	N/T
7.2 Toys not intended for children under 36 months	Not applicable	N/A
7.3 Latex balloons	Not applicable	N/A
7.4 Aquatic toys	Not applicable	N/A
7.5 Functional toys	Not applicable	N/A
7.6 Hazardous sharp functional edges and points	Not applicable	N/A
7.7 Projectile toys	Not applicable	N/A
7.8 Imitation protective masks and helmets	Not applicable	N/A
7.9 Toy kites	Not applicable	N/A/A>
7.10 Roller skates, inline skates, skateboards and certain other ride-on toys	Not applicable	N/A 630
7.11 Toys intended to be strung across a cradle, cot or perambulator	Not applicable	N/A
7.12 Liquid filled teethers	Not applicable	N/A
7.13 Percussion caps specifically designed for use in toys	Not applicable	N/A
7.14 Acoustics	Not applicable	N/A S
7.15 Toy bicycles	Not applicable	N/A
7.16 Toys intended to bear the mass of a child	Not applicable	N/A
7.17 Toys comprising monofilament fibres	Not applicable	N/A 8
7.18 Toy scooters	Not applicable	N/A
7.19 Rocking horses and similar toys	Not applicable	N/A
7.20 Magnetic/electrical experimental sets	Not applicable	N/A
7.21 Toys with electrical cables exceeding 300mm in length	Not applicable	N/A
7.22 Toys with cords or chains intended for children of 18 March months and over but under 36 months	Not applicable	N/A MATO
7.23 Toys intended to be attached to a cradle, cot or perambulator	Not applicable	N/A
7.24 Sledges with cords for pulling	Not applicable	N/A
7.25 Flying toys	Not applicable	N/A
7.26 Improvised projectiles	Not applicable	N/A

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