



中国认可  
检测  
TESTING  
CNAS L2304

CONSUMER PRODUCTS SERVICES DIVISION

**SMARTGURLZ AQS**

**Technical Report:** (8516)245-0395  
Date Received: September 22, 2016

September 23, 2016  
Page 1 of 17

JESPER NISSEN  
SMARTGURLZ AQS  
SKODSBORG STRANDVEJ 262A,  
2942 SKODSBORG,  
DENMARK

Sample Description:	SIGGY1 1.) SIGGY1 2.) PARTS	Sample Size:	12
Vendor:	N/A	Style No(s):	SG16301 & SG16401
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	OVER 6 YEARS OF AGE		
UPC Code:	N/A		
Test Starting Date:	SEPTEMBER 22, 2016		
Test Finished Date:	SEPTEMBER 23, 2016		



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 2 of 17

**EXECUTIVE SUMMARY:**

The sample(s) MEET the following requirement(s):

- The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014, clauses 1-7.
- The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2011+ A1: 2014.

The style # 1 sample(s) MEET the following requirement(s):

- The migration of certain elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2013+A1:2014.

Note: The received sample(s) contained accessible component(s) of less than 10 milligrams by weight on one single sample, therefore such component(s) was not subject to migration of certain elements of European Standard, "Safety of Toys", EN 71 Part 3: 2013 + A1:2014, as specified in Clause 7.1 - Selection of test portions.

Note: According to TSD 2009/48/EC, the manufacturers/ importer shall indicate their name, registered trade name or registered trade mark and the address at which they can be contacted on the toy, or, where that is not possible, on its packaging or in a document accompanying the toy.

Note: The sample received is appropriate for children under 36 months of age as determined by virtue of its function, dimension and characteristics. The age warning ("Not suitable for children under 36 months") and associated graphical symbol for age restriction are not appropriate and should be removed.

BUREAU VERITAS SHENZHEN CO.,LTD

BUREAU VERITAS SHENZHEN CO., LTD.

Choy Hon Kwong, Adams  
Senior Manager  
Analytical Department

Simon Chan  
Manager  
Toys And Juvenile Products Department

AC/SC/ eo

*This report shall not be reproduced except in full, without the written approval of our laboratory.*



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 3 of 17

**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2014, CR 14379:2002 "Classification of toys-Guidelines" prepared by Technical Committee CEN TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

**EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6**

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NT	Not Tested				
NP	None Present				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: (8516)245-0395  
September 23, 2016  
Page 4 of 17

**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	M
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA
4.16	Heavy immobile toys	NA



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: (8516)245-0395  
September 23, 2016  
Page 5 of 17

**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014)**

Subclause	Requirement	Result
4.17.1	Projectiles – General	NA
4.17.2	Projectiles toys without stored energy	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.7	Bows and arrows	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
*4.20.2.1-4.20.2.8, 4.20.2.10, 4.20.2.12	Acoustics	M
4.20.2.9, 4.20.2.11 & 7.14	Acoustics – percussion toys & cap-firing toys	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
<b>FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</b>		
5	Cleaning instruction for item intended for child under 3 years of age	NA
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Fillings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4 &	Cords on toys	NA
5.4(a)	Cords connected to self-retraction mechanism or in pull along toys	NA
5.4(b) & 7.22	Cords and chains that can form tangled loop or noose	NA
5.4(c) & 7.22	Fixed loop of cords or chains	NA
5.4(d)	Nooses	NA



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 6 of 17

**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014)**

Subclause	Requirement	Result
5.4(e)	Self-retraction mechanism	NA
5.4(f) & 7.11	Toy across cradle, cot or perambulator	NA
5.4(g) & 7.22	Cords and chains with free end (exclude pull along toy)	NA
5.4(h)	Cords and chains with free end on pull along toy	NA
5.4(i) & 7.21	Electrical cables	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	Monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
<b>WARNINGS, INSTRUCTIONS FOR USE</b>		
7	CE Mark	M
7	Manufacturer name and address	M
7	Importer name and address	M
7	Product Identification	M
7.1	General	NA
7.2	Toys not intended for children under 36 months	NA
7.5	Functional toys	NA



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 7 of 17

**RESULTS:**

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.17.3	8.24.1	5.3	8.4.2.1, 8.25
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.3	8.11, 8.12, 8.21, 8.22	4.17.4	8.24.2	5.4	8.20, 8.36, 8.38, 8.39, 8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.1.4	8.23.1	4.18	8.2, 8.3, 8.4.2.1	5.5	8.15
4.7	8.11	4.15.1.5	8.26.1	4.20	8.28	5.6	8.29
4.8	8.12, 8.13	4.15.1.8	8.29	4.21	8.30	5.8	8.16
4.9	8.4.2.3, 8.11, 8.12	4.15.2.4	8.26.2	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.10.1	8.18.2, 8.18.3	4.15.3	8.21, 8.23.1	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.11	8.33
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.15.4	8.21, 8.23.1	4.24	8.37	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.13	8.19	4.16	8.23.2	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12		
4.14.1	8.31.1, 8.31.2	4.17.1	8.4.2.3				



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 8 of 17

**RESULTS:**

**FLAMMABILITY (EN 71 PART 2: 2011 + A1: 2014)**

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Surface flash on a piled surface	NA
4.1	Flammable gases	NA
4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by a child	NA
4.4	warning on product and packaging (10 - 30 mm/s)	NA
4.5	Soft-filled toys	NA

**REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2**

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-





中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 9 of 17

**RESULTS:**

**MIGRATION OF CERTAIN ELEMENTS (European Standard EN 71 Part 3: 2013+A1:2014)**

Test Method : European Standard EN 71 Part 3: 2013+A1:2014, Annex E.

Class: Category III - Scraped off toy material

Sample Identity	Color	Location	Style
A.	yellow coating	scalp	1
B.	brown coating	scalp	1
C.	silver coating	car	1
D.	soft flesh pvc	head	1
E.	light flesh pvc	hand & foot	1
F.	white pvc	shoes	1
G.	dark flesh pvc	head	1
H.	deep flesh pvc	hand & head	1
I.	black pvc	shoes	1
J.	golden plastic	hair	1
K.	bright flesh plastic	arm, body & leg	1
L.	flat flesh plastic	joint of leg & hand	1
M.	bright deep flesh plastic	arm, body & leg	1
N.	flat deep flesh plastic	joint of leg & hand	1
O.	white plastic	bead	1
P.	translucent plastic	fastener	1
Q.	brown plastic	hair	1
R.	clear soft plastic	hairband	1
S.	purple plastic	car	1
T.	white plastic	cheel	1
U.	black soft plastic	cheel	1
V.	translucent plastic	led	1
W.	matt translucent plastic	small led	1
X.	yellow plastic	car	1
Y.	bright black plastic	handle of car	1
Z.	matt black plastic	switch	1



中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 10 of 17

**RESULTS:**

**MIGRATION OF CERTAIN ELEMENTS (European Standard EN 71 Part 3: 2013+A1:2014)**

Test Method : European Standard EN 71 Part 3: 2013+A1:2014, Annex E.

Class: Category III - Scraped off toy material

Sample Identity	Color	Location	Style
AA.	army green fabric / green thread	pants	1
AB.	khaki fabric / khaki thread	bag	1
AC.	dark red fabric / red thread	coat	1
AD.	beige plush	coat	1
AE.	white fabric/ white thread	clothes	1
AF.	soft white fabric	fastener	1
AG.	multicolor fabric	dress	1
AH.	snow white cord	elastic	1
AI.	purple fabric	clothes	1
AJ.	yellow fabric	clothes	1













中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 16 of 17

**RESULTS:**

**MIGRATION OF CERTAIN ELEMENTS (European Standard EN 71 Part 3: 2013+A1:2014)**

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Sample ID					
	Category III	AE.	AF.	AG.	AH.	AI.	AJ.
Aluminium (Al)	70000	3	9	6	15	58	38
Arsenic (As)	47	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Boron (B)	15000	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Barium (Ba)	18750	LT 2	LT 2	LT 2	44	LT 2	2
Cadmium (Cd)	17	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Cobalt (Co)	130	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Chromium III (Cr III)	460	LT 0.15	0.17	LT 0.15	0.20	LT 0.15	LT 0.15
Chromium VI (Cr VI)	0.2				#LT 0.002		
Copper (Cu)	7700	LT 2	2	LT 2	LT 2	LT 2	LT 2
Mercury (Hg)	94	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Manganese (Mn)	15000	LT 2	LT 2	2	LT 2	12	LT 2
Nickel (Ni)	930	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Lead (Pb)	160	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Antimony (Sb)	560	2	LT 2	LT 2	LT 2	LT 2	LT 2
Selenium (Se)	460	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Tin (Sn)	180000	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Organic tin	12	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2
Strontium (Sr)	56000	LT 2	LT 2	4	LT 2	LT 2	LT 2
Zinc (Zn)	46000	4	4	11	870	4	4
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		Pass	Pass	Pass	Pass	Pass	Pass

mg/kg = milligrams per kilogram (ppm=parts per million) LT = Less Than  
 \* = Average of duplicate analysis  
 Organic tin = migration of total organic tin is expressed as tributyl tin cation content in mg/kg  
 # = Verified results (see note)

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: In house Ion-chromatography analysis
- Organic tin: EN71 part 3:2013+A1:2014, Annex G by Gas Chromatography – Mass Spectroscopy analysis.





中国认可  
检测  
TESTING  
CNAS L2304

SMARTGURLZ AQS  
Technical Report: **(8516)245-0395**  
September 23, 2016  
Page 17 of 17

**RESULTS:**



END OF REPORT