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TEST REPORT

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Applicant: bmw101.0

Benfu Co., Ltd.

No. 87, Lane 571, Tai Ping Rd.,

bmw101.com Tai Ping Village, Pu Hsin Township,

Chang Hua County 513, Taiwan, R.O.C.

Date

Number

: Nov 20, 2017

TWNH00066917

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bmSample Description W101.com

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Item name

Quantity

One (1) group of submitted samples said to be:

Ai-xpemats

1 Group

Taiwan Nov 08, 2017

Nov 08, 2017

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bmw101.com

Date sample received Date test started

bmw101 Country of origin 01.com

bmw101.com

bmTest Conducted: hmw101.com

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As requested by the applicant, for details please refer to attached pages.

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Conclusion:

hmw101Please see page two.

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Authorized by:

On Behalf of Intertek Testing Services

Taiwan Limited

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Matt Wang Sr. Manager

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TEST REPORT

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Number:

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Conclusion:

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Tested sample 101.com Submitted Samples

Standard

mw101.com Mechanical and physical properties bmw101.com

Result Pass

bmw101.com

As per European standard on safety of toys EN 71 part 1:2014

Flammability test

As per European standard on safety of toys EN 71 part 2 1011 + A1 2014

2011 + A1:2014

Pass

Tested components of Submitted Samples

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19 Toxic Element Migration Test

 As per European standard on safety of toys EN71bm3:2013+A1:2014mw

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Total Cadmium (Cd) Content

As Per Annex XVII Item 23 Of The REACH Regulation (EC)

Pass

No. 1907/2006 (Formerly Known As Directive 91/338/EEC)

Phthalates In Toys And Childcare Articles

Pass

As Per Applicant's Request With Reference To Annex XVII Items 51 & 52 Of The REACH Regulation (EC) No. 1907/2006 (Formerly Known As Directive 2005/84/EC) For Phthalate

Content In Toys And Children Articles.

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Organotin Content

 As Per Annex XVII Item 20 of the REACH Regulation (EC) bmw101.com bmw101.com bmw101.cd

No. 1907/2006

Pass

Polycyclic aromatic hydrocarbons (PAHs) for GS certification **Pass**

As per AfPS GS 2014:01 PAK

Formamide Content mw101.com

bmw101.com bmw101.com As Per Appendix C to Annex II of European Council Directive

2009/48/EC on the safety of toys and Amendment (EU)

2015/2115 bmw10'

Pass

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The attention of the applicant is drawn to the need for the item to be labeled as below

Toys made available on the market shall bear the CE marking. The CE marking shall be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking shall be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking shall on bmw101 be at least 5 mm high.

The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.

Manufacturers shall 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.

Manufacturers and importers shall ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers, as determined by the compmw10. Member State concerned.

A Member State may, within its territory, stipulate that warnings and safety instructions shall be written in a language or languages easily understood by consumers, as determined by that Member State.

If this information is not fixed to the toy itself, it should be accompanied by a notice in advising the purchaser to retain it.

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Sr. Manager

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bmw101.com Number TWNH00066917

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1. Mechanical and Physical Properties

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As per European standard on safety of toys EN 71 part 1:2014

Appropriate age group for testing #: For all ages. bmw101.com bmw101.

Clause	Testing item		Assessment	
4*	General requirements		Р	
5 _{om}	Toys intended for children under 36 months	mos he	P m	a.A. (
6	bmwPackaging bmw101.00 bmw101.00	bmw101.com	bmw ¹⁰¹ NA	pmw101.
7	Warnings, markings and instructions for use		P#(See note)	

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Remarks: P = Pass; NA = Not applicablebmw101.com

The applicant has certified that proper age grading, label and marking will put on the final product, and the age grading, label and marking certified meet the requirement of this standard. It is applicant's responsibility to make sure the final product with the age grading, label and marking as certified.

* The following subclauses of the standard are found applicable :

- 4.1 Material cleanliness 1)
- 2) 4.7 Edges
- 3) 4.8 Points and metallic, wires

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- 4.15 Toys intended to bear the mass of a children of the community of the
- 5) 5.1 General requirements
- 6) 7.1 General

Flammability Test 2.

As per European standard on safety of toys EN 71 part 2: 2011 + A1:2014 PWMJ pmw1 pmw1

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As per Europ	pean standard on safety of toys E	N 71 part 2: 2011 -	+ A1:2014 bmw101.com	bmw101.com	bmw101.com
<u>Clause</u> 4.1	<u>Testing item</u> General			Assessme	
bmw101.com	-Cellulose nitrate	bmw101.com	bmw101.com	_{bmw101.com} P NA	bmw101.com
4.2 4.3	 Flammable gas and liquid Toys to be worn on the head Toy disguise costumes and to 		orn by a child in pla	NA NA	
6.5 4.5	Toys intended to be entered Soft-filled toys(5.5)		bmw101.com	ny (5.4) NA hmw101.com NA NA	bmw101.com
Remarks:	P = Pass NA = conNot applicable a com	401.com	401.com	401.com	401.com

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3. 19 Toxic Element Migration Test com

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(A) Test Result

As per EN71-3:2013+A1:2014 and followed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) and Inductively Coupled Plasma Mass Spectrometer (ICP-MS). bmw101. pmw10, bmw101

Category (III): Scraped-off toy material

bmw101	Element r	mw101.com	N101.com Result (mg/kg)		bmw101.co	DL (mg/kg)	o ^{1.com} Limit	bmw101.com
Di.	Liemene	<u>(1)</u>	<u>(2)</u>	(3)	(4)	DL (HIG/KG)	(mg/kg)	O'
	Aluminium (Al)	ND	ND	ND	ND	300	70000	
	Antimony (Sb)	ND	ND	ND	ND	10	560	
bmw101	Arsenic (As)	mu/ MDom	ND my	01.00 ND	ND01.00	10 haw/	o1.com 47	bmw101.com
Diri	Barium (Ba)	ND	ND	ND	ND	10	18750	
	Boron (B)	ND	ND	ND	ND	50	15000	
	Cadmium (Cd)	ND	ND	ND	ND	5.0	17	
bmw101	Chromium (III) (Cr.HI) ++	NDom	ND	_{01.c} o ND	ND _{01.co}	η 10	_{01.com} 460	briw101.com
PLUM.	Chilomiditi (12) (Ci 12)	MD.	ND DOWN,	ND	PUND	0.1 bmw	0.2	PUM.
	Cobalt (Co)	ND	ND	ND	ND	10	130	
	Copper (Cu)	ND	ND	ND	ND	10	7700	
4.04	Lead (Pb)	ND	ND	ND	ND	η 1.0	com 160	bmw101.com
bmw101	Manganese (Mn)	mw1ND	NDomw	ND	PUND	10 bmw]	15000	PIUMJO
	Mercury (Hg)	ND	ND	ND	ND	10	94	
	Nickel (Ni)	ND	ND	ND	ND	10	930	
	Selenium (Se)	ND	ND	ND	ND	10	460	- om
bmw101	Strontium (Sr) 101.001	JUM JUDCOLL	ND _{omw} 1	O1.COND	PUNDO4.CA	100 _{bmw}	^{01.00} 56000	bmw101.com
	Tin (Sn)	ND	ND	ND	ND	10	180000	
	Organic tin ++	ND	ND	ND	ND	3.0	12	
l	Zinc (Zn)	ND	ND	ND	ND	100	46000	
101wad	.com bmw101.com	omw101.com	bmw1	_{01.com}	bmw101.co1	n hmw1	01.com	bmw101.com

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bmw101.com Number:

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3. 19 Toxic Element Migration Test

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3. bmw101	19 Toxic Element Migration	Test com	bmw101.com	bmw101.com	pww1(o1.com	bmw101.com
	Element		Result (mg/kg))	DI (mayles)	Limit	
	Element	<u>(5)</u>	(6)	(7)	DL (mg/kg)	(mg/kg)	
bmw101	Aluminium (Al) on com	ND NO	NDcom	ND, 101.com	300	1.com70000	bmw101.com
PLUM		ND	Punn	ND	10 pmw	560	DIGW ,
	Arsenic (As)	ND	ND	ND	10	47	
	Barium (Ba)	ND	ND	ND	10	18750	
401	Boron (B)	ND	ND com	ND ON CON	50	4 com15000	bmw101.com
bmw101		MN ND	pmwND	\ND'\\O\'.	5.0 bmw ^T	17	pmw101.
	Chromium (III) (Cr III) ++	ND	ND	ND	10	460	
	Chromium (VI) (Cr VI) ++	ND	ND	ND	0.1	0.2	
	Cobalt (Co)	ND	ND	ND	10	130	moon
bmw101	Copper (Cu) _{mw101.com}	mw101 ND	pmwND .com	ND 100 con	10 bmw1	7700	bmw101.com
	Lead (Pb)	ND	ND	ND	1.0	160	
	Manganese (Mn)	ND	ND	ND	10	15000	
	Mercury (Hg)	ND	ND	ND	10	94	
bmw101	.cNickel (Ni)	MD LOUND	ND .com	ND,101.00	10 5000	o1.com 930	- bmw101.com
011	ociciidii (oc)	ND	ND	ND	10	460	
1	Strontium (Sr)	ND	ND	ND	100	56000	
1	Tin (Sn)	ND	ND	ND	10	180000	
bmw101	Organic tin ++ Zinc (Zn) bmw104.com	NDo	ND com	ND 401.com	3.0	11.com 12	bmw101.com
PILLIAN .	Zinc (Zn) bmw 10	ND ND	pm/ND	ND	100 bmw	46000	DI III

Remarks:

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- Organic tin test result was expressed as tributyl tin.
- The new lead migration limit [(2.0 mg/kg for Category (I), 0.5mg/kg for Category (II) and 23 mg/kg for Category (III)] was quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018.
- = Unless the test results were marked with "@" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from bmw101.com on migration results of total chromium and tin respectively.

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mg/kg = milligram per kilogram

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= Not detected ND DL = Detection limit

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3. 19 Toxic Element Migration Test

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(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

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bmw101.com bmw101.com Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays bmw101and plaster). bmw101.com bmw101.com bmw101.com bmw101.com bmw101.com

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution). bmw101 pmw.

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

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bmw101.com bmw101.com bmw101.com Total Cadmium (Cd) Content

Acid digestion method was used and total cadmium content was determined by Inductively Coupled Plasma-Optical bmw101.com bmw101.com bmw101.com bmw101.co Emission Spectrometer (ICP-OES), 101.com

Tested Component		Result (ppm)		Limit (ppm)
(1/2/3)		ND		100
(4/5/6)	101.com	-101.cd N D	.101.com	100 com
bmw (7)	pmw101.	pmw ND	pmw	bmW 100

Limit

bmw101.com

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Not detected For Cadmium Plating

bmw101.com

100 ppm For All Plastic Materials, Paint Contain Less than 10% Zinc, Brazing Fillers & Metal Parts of

1000 ppm For Recovered PVC, Coatings & Paint Contain Greater than 10% Zinc

The above limit was quoted according to Annex XVII Items 23 of the REACH regulation (EC) No. Remarks:

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1907/2006 (formerly known as directive 91/338/EEC).

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ppm = Parts per million = mg/kg

ND = Not detected

Detection limit = 5 ppm

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5. Phthalates In Toys And Childcare Articles

By solvent extraction and determined by Gas Chromatography-Mass Spectrometer (GC-MS).

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I. Plasticised Material In Toys And Childcare Articles:

bmw101 Compound bmw101.com	bmw101.com	bmw101.00Result (%)	2 _{mw101.com}	, bmw	101.00 <u>Limit (%</u>	6) bmw101.com
Diethyl Hexyl Phthalate (DEHF	(1/2/3) P) ND	(4/5/6) ND		(λ)		O.
Dibutyl Phthalate (DBP)	ND ND	ND ND		ND ND		
Benzyl Butyl Phthalate (BBP)	ND	ND ND		ND		
bmw101 Sum Of DEHP DBP & BBP	bmw101.comND	bmw101.com ND	pmw101.com	ND PWM	101.com 0.1	bmw101.com

II. Plasticised Material In Toys And Childcare Articles Which Can Be Placed In The Mouth By Children:

Compound	em.	Result (%)		Limit (%)
hmw101.com	(1/2/3)	bmw101.com (4/5/6) bmw101.com	(7) hr	hmw101.com
Di-(Iso-Nonyl) Phthalate (DINP)	ND	ND	ND	
Di-(Iso-Decyl) Phthalate (DIDP)	ND	ND	ND	
Di-(N-Octyl) Phthalate (DNOP)	ND	ND	ND	
Sum Of DINP, DIDP & DNOP	ND	ND ND	ND	m 0.1
pmw101.com	01.601	bmw101.com	ρn	bmw101.com
Developed The phase limit was a set		- 1 A NOTE TI - E4 0 E0 C		

Remarks: The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH regulation (EC) No. 1907/2006 (formerly known as directive 2005/84/EC) for phthalate content in toys and children articles.

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% = Percentage based on weight of tested sample

ND Not detected NO

Detection limit = 0.005% (for each compound)

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6. Organotin Content

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By solvent extraction, followed by Gas Chromatography-Mass Spectrometer (GC-MS) analysis.

OCompound bmw101.com bmw101.com	pm/	Result (%) of	tin _{nw101.com}	Limit (%) of tin
	(1/2/3)	(4/5/6)	(7)	
Sum of Tri-substituted organotin ^	ND	ND	ND	0.1
Di-butyltin (DBT)	ND	ND	ND	0.1
Di-octyltin (DOT) 101.com	ND	NO0.com ND	$-\infty$ ND $^{\gamma}$	12.01010 oct

Remarks: The above limit was quoted according to Annex XVII Item 20 of the REACH regulation (EC) No. 1907/2006 & amendment (EU) No. 276/2010

^ = The reported value was calculated by summation of the values of Tri-butyltin (TBT), Tri-phenyltin (TPhT), Tri-methyltin (TMT), Tri-octyltin (TOT), Tri-cyclohexyltin (TCyT).

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% = Percentage based on weight of tested sample

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ND = Not detected

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Detection Limit = 0.001% of Tin

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7, Polycyclic aromatic hydrocarbons (PAHs) for GS certification

As per AfPS GS 2014:01 PAK issued by the German committee on product safety (AfPS), by solvent extraction and determined by Gas Chromatography-Mass Spectrometer (GC-MS).

bmw10	(I) Limits For PAH	In Products _{omw101.com}	bmw101.com	bmw101.com	bmw101.0	bmw ¹	01.com	
	Parameter	Category 1	Cate	gory 2	Category 3		1	
bmw10′	Product bmw101	Materials intended to be put in the mouth, or materials of toys with intended long-term skin contact (longer than 30s)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term		category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact) or repeated skin contact)		covered by 2 with contact up	_{01.com}
40'	com	com	A _{com}	B _{int com}	Α 401.0	om B	o1.com	
pmw10	Each (Ψ) bmw 10	0.2 mg/kg	0.2 mg/kg	0.5 mg/kg	0.5 mg/kg	1 mg/kg	1	
	Sum of (Δ)	1 mg/kg	5 mg/kg	10 mg/kg	20 mg/kg	50 mg/kg	İ	
	Naphthalene	1 mg/kg	2 m	g/kg	10 m	ng/kg		
	Sum of 18 PAHs	1 mg/kg	5 mg/kg	10 mg/kg	20 mg/kg	50 mg/kg	moo 4	
pmw10"	pmw101	bmw101.co	bmw107.co	bmw101.00	pmw101	rwmd	01.00.	
	D 1 A	T ' 11	00/40/50					

Toys in the scope of 2009/48/EC Remarks: Α

> B Other products in the scope of ProdSG

Ψ Benzo[a]Pyrene, Benzo[e]Pyrene, Benzo[a]Anthracene, Benzo[b]Fluoranthene, _ bmw101.com

Benzo[j]Fluoranthene, Benzo[k]Fluoranthene, Chrysene, Dibenzo[a,h]Anthrancene, Marion Com

Benzo[g,h,i]Perylene and Indeno[1,2,3-cd]Pyrene

Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene and = Δ

Fluoranthene

== com bmw101.com "repeated short-term skin contact" according to REACH Annex XVII No. 50 addition

regulation (EC) No. 1272/2013

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Test Conducted

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7. Polycyclic aromatic hydrocarbons (PAHs) for GS certification bmw101.com

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(II) Test Result

	Testing Item	101 com		Result (ppm)				
bmw10	pmwlo	bmw101.com	bmw101.com	(1/2/3) ^{01.0}	(4/5/6)mw1		bm	N101.00
	Polycyclic Aromatic Hydro	carbons (PAHs)					
	Naphthalene			ND	ND	ND		
	Acenaphthylene (△)			ND	ND	ND		
bmw10	Acenaphthene (A)	bmw101.com	bmw101.com	ND.W101.0	ND bund	ND ND	hm	N101.00
Dir.	Fluorene (Δ)	Div	011	ND	ND	ND		
	Phenanthrene (Δ)			ND	ND	ND	\neg	
	Anthracene (Δ)			ND	ND	ND	\neg	
bmw10	Eluoranthene (Δ)	bmw101.com	bmw101.com	ND ,,101.0	om ND	o1.com ND		N101.00
PILLIA.	Pyrene (Δ)	PUIM.	PUIM.	ND	ND Dura	ND	- PUI	44 -
	Chrysene (Ψ)			ND	ND	ND		
	Benzo[a]Anthracene (Ψ)			ND	ND	ND		
40	Benzo[b]Fluoranthene (Ψ)	101 com	bmw101.com	ND 401 C	om ND	n1.com ND		N101.00
bmw10	Benzo[k]Fluoranthene (Ψ)	bmw101.com	pmwlo	ND	ND pmw	ND	pn),	M.10
	Benzo[j]Fluoranthene (Ψ)		27	ND	ND	ND		
	Benzo[a]Pyrene (Ψ)			ND	ND	ND		
	Benzo[e]Pyrene (Ψ)	- m	mo	ND	om ND	ND ND		4 00
bmw10	Indeno[1,2,3-c,d]Pyrene (Ψ)	bmw101.com	bmw101.com	ND _{nw101.0}	ND bmw ¹	ND	pw,	N101.00
	Dibenzo[a,h]Anthrancene (Ψ)			ND	ND	ND		
	Benzo[g,h,i]Perylene (Ψ)		4 -	ND	ND	ND		
	Sum of (∆)			ND	ND	ND		
bmw10	Sum Of 18 PAHs	bmw101.com	bmw101.com	ND _{OW} 101.0	ND bmw1	O ₁ .com ND	pm'	N101.00
· ·	Classification Of Samples:	Category	V	2B	2B	2B		
	Conclusion			Р	Р	Р		

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Remarks :

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bmw101.com ppm₀ = Parts per million = mg/kg

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= Not detected Detection limit = 0.2 ppm

P = Pass

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bmw10

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8. Polycyclic Aromatic Hydrocarbons (PAHs) Content

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By solvent extraction and determined by Gas Chromatography-Mass Spectrometer (GC-MS).

Compound 401 com	- 20	<u>Re</u>	sult (p	<u>om)</u>	<u>Limit (ppm)</u>	- m
bmw101.com	bmw101.com	(1/2/3) _{W101.com}	(4/5/6)	$\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$	hmw101.com	bmw101.com
Benzo[e]Pyrene	Ŋ.··	ND	ND	ND	0.5	O
Benzo[e]Pyrene		ND	ND	ND	0.5	
Benzo[a]Anthracene		ND	ND	ND	0.5	
Chrysene 401.com	bmw101.com	ND NDomw101.com	ND	DM _{moo. LOTwmd}	_{bmw101} .cc 0 .5	bmw101.com
Benzo[b]Fluoranthene	pww.	NDpww 10.	ND	pmw IO	0.5	pww.
Benzo[j]Fluoranthene		ND	ND	ND	0.5	
Benzo[k]Fluoranthene		ND	ND	ND	0.5	
Dibenzo[a,h]Anthrancene	- 20	ND	ND	ND	0.5	- 20
bmw101.com	bmw101.com	bmw101.com		bmw101.comND	0,5 bmw101.com	bmw101.com
Domarke . The above limit	was gueted acc	ording to annov V	VIT ito	me EO of the DEA	CII manulation (CO)	-

Remarks: The above limit was quoted according to annex XVII items 50 of the REACH regulation (EC)

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No. 1907/2006.

ppm = Parts per million = mg/kg

Detection Limit = 0.2 ppm

9.10 Formamide Content

By acetone extraction and Gas Chromatography-Mass Spectrometer (GC-MS) Analysis.

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Tested Comport (1/2/3) (1/5/6) (7) bmw101.com Remarks: bmppm = ND =	= Parts Per Million =	Result (ppm) 18 28 16 mg/kg ^{mw101.com}	bmW101.com Scree	ning Limit (ppm) 200 200 200 200	bmw101.com
	limit = 2 ppm	_{bmw} 101.com	_{bmw101.com}	bmw101.com	bmw101.com
Tested Components: (1) Sky blue foam with transport (2) Grass green foam with transport (3) Brown foam with transport (5) Grey foam with transport (5) Grey foam with transport (5) Tested Components: (2) Grey foam with transport (5) Grey foam with t	h transparent film Isparent film Isparent film	bmw101.com	bmw101.com	bmw101.com	bmw ^{101.com}
(6) Pink foam with transp	arent film	bmw101.com	bmw101.com	bmw101.com	hmw101.com

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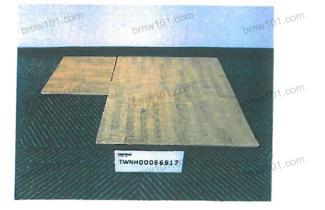
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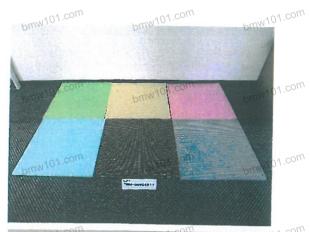
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