

# **Test Report**

No.: T52010291718TY

Date: OCT 09, 2020

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BLOOMINGVILLE A/S

LENE HAUS VEJ 3-5 DK-7430 IKAST DENMARK

The following samples were submitted and identified by/on behalf of the client as: SOFT TOY, MULTI-COLOR, COTTON

Item No.	:	82050602
P.O. / Ref. No.	:	65894
Importer	:	BLOOMINGVILLE A/S
Buyer	:	BLOOMINGVILLE A/S
Supplier	:	BLOOMINGVILLE A/S
Manufacturer	:	BLOOMINGVILLE A/S
Country of Origin	:	CHINA
Country of Destination	:	DENMARK
Labeled Age Grading	:	NOT STATED
Requested Age Grading	:	NOT STATED
*********	*****	*******
Age Group Assessed by SGS As Per Age	:	ALL AGES
Guideline		
Age Group Applied in Testing	:	ALL AGES
Sample Receiving Date	:	SEP 24, 2020
Testing Period	:	SEP 24, 2020 TO OCT 09, 2020



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Test	Conclusion	
1.	With reference to the European standard on Safety of toys:-	
	EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	SEE RESULT
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 – EN 71-3:2019 – Migration of certain elements in the specified specimen(s) as listed	PASS

\*\*\*\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*\*\*\*

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center

Liu Junjie, Tony Section Manager

Qu Ping, Kiky Dept. Manager



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**Results:** 

## EUROPEAN STANDARD ON SAFETY OF TOYS

## EN 71-1:2014 + A1:2018 - SAFETY OF TOYS - PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

<u>Clause</u>	Description	<u>Result</u>
4	General Requirements	
4.1	Materials cleanliness	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass
5	Toys intended for Children under 36 months	
5.1	General Requirements	
5.1a	Small part requirement on toys & removable Components (Test method 8.2)	Pass
5.1b	Torque test (Test method 8.3)	Pass
5.1b	Tension test (Test method 8.4)	Pass
5.1b	Drop test (Test method 8.5)	Pass
5.1b	Impact test (Test method 8.7)	Pass
5.1b	Sharp edge (Test method 8.11)	Pass
5.1b	Sharp point (Test method 8.12)	Pass
5.2	Soft-filled toys and soft-filled parts of a toy	Pass
5.4	Cords, chains and electrical cable in toys	Pass
	According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.	



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## EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause Description

General requirements 4.1

4.5 Soft-filled toys Result Pass Pass (See Result Page)

Type of gas: Butane gas used in the test burner

Result Page:

Soft-filled Toys (Clause 4.5)

Sample SOFT TOY, MULTI-COLOR, COTTON Burning Rate (mm/sec) 12.2

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



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## LABELING REQUIREMENT (WASHING/CLEANING LABEL, CE MARK, IMPORTER / MANUFACTURER MARK (NAME, ADDRESS), PRODUCT IDENTIFICATION) ACCORDING TO INFORMATIVE ANNEX A.26 AND A.33 OF THE EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-1:2014+A1:2018 AND THE **DIRECTIVE 2009/48/EC-SAFETY OF TOYS**

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Absent. See note 1	
CE mark	Absent. See note 2	
Importer's Name & Address	Absent. See note 3	
Manufacturer's Name & Address	Absent. See note 3	
Product ID	Absent. See note 4	

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. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable."
- CE marking should be visible from outside the packaging and its height must be at least 5mm. 2.
- Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at 3. 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.
- Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element 4. 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.



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# Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 – EN 71-3:2019 – Migration of certain elements

### Category III: Scraped-off toy material

Method: With reference to EN 71-3:2019. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis / LC-ICP-MS and organic tin was analyzed by GC-MS.

Test Item(s)			Result(s)			MDL	Permissible Limit
Specimen No.			1	2	3		
Mass of trace amount		(mg)	/	48.7	/		
Soluble Aluminium	(Al)	(mg/kg)	ND	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium <sup>+</sup>	(Cr)	(mg/kg)	ND	0.18	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	1003	50	46000

## Specimen Description:

- 1. Brown tricot (Hair)
- 2. Khaki woven (Star)
- 3. Pale brown w/ red woven, white fabric thread (Pants, ship)



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Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- 1% = 10000 mg/kg = 10000 ppm
- + Soluble Chromium is not restricted by EN 71-3:2019, results shown only for reference
- N.B.: Only applicable clauses were shown.

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- 2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability(k=2), w = U<sub>95</sub>. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (Tu):

Pass - when the measurement result is below  $T_{U}\text{-}U_{95}$ 

Fail - when the measurement result is above  $T_{U}\text{+}U_{95}$ 

Inconclusive - when the measurement result is falling in guard band  $[T_U-U_{95}, T_U+U_{95}]$ For Lower Tolerance Limit (T<sub>L</sub>):

Pass - when the measurement result is above  $T_L+U_{95}$ 

Fail - when the measurement result is below  $T_L$ - $U_{95}$ 

Inconclusive - when the measurement result is falling in guard band  $[T_L-U_{95}, T_L+U_{95}]$ 



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