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Gohandmade Dsign International A/S  
Madevej 11-13,6200  
Aabenraa  
DENMARK

**Report No.:**

**02452-1 DGN20**

Date:

24.03.20

Order No.:

DGN-02336-20

Date of order:

20.03.20

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## Test Report

Order description:

**Material test**

Article Name	Link
Article No.	11014
Other article no.	SHEE-00476-20
Condition of sample at delivery	no defects
Arrival date	20.03.20
Test start date	20.03.20
Test end date	24.03.20



### Limit lists

Chem.	Customer test requirements
Hardline	Customer test requirements

## Final conclusion: PASS

*Test results and evaluation are only related to tested items and to performed methods. Detailed information regarding measurement uncertainties are available on request.*

Goff Long  
Lab Manager

## Summary

20-008115-01 - Link

ALL TEST RESULTS COMPLY WITH THE REQUIREMENTS ACCORDING TO THE SCOPE OF ANALYSIS.

20-008115-02 - Link

Comply with EN71-1 & 2 requirements according to the scope of analysis.

Remark :

The CE Marking ,Manufacturer name,address and product identification are not available on the product .

The packaging is not provided.

## Overview of Chem. testing

Sample no	Type / Style
20-008115-01	SHEE-00476-20

Component list	
No	Components
01	Grey plastic

Customer requirements evaluation				
	Components			
	Tested	Result	Failed	Not tested
Migration of certain elements (DIN EN 71-3)	01	PASS		

## Overview of Hardline testing

Sample no	Type / Style
20-008115-02	SHEE-00476-20

Component list	
No	Components
-	Entire article

Customer requirements evaluation				
	Components			
	Tested	Result	Failed	Not tested
Flammability test (DIN EN71-2)	-	see details		
Mechanical Test (DIN EN 71-1)	-	see details		

Legend: Chem.: chemical tests, Phys.: physical tests, m.s.: composite sample, n.d.: not determined, n.a.: not applicable, n.t.: not tested, i.m.: insufficient material, sum: see summary, s.c.: see component, pos: positive, neg: negative, min: minimum limit, max: maximum limit, BL: below limit, IN: inconclusive

## Detailed results of Chem. testing

Sample no: 20-008115-01

### Migration of certain elements (DIN EN 71-3)

Sample type: Chem.

Norm: EN 71-3:2019

Issue date: 2019-04

			01
Parameter	Unit	Limit	Result
Aluminum (Al): EN 71-3 category 3	mg/kg	70000	<b>6.84</b>
Antimony (Sb): EN 71-3 category 3	mg/kg	560	<5
Arsenic (As) EN 71-3 category 3	mg/kg	47	<2.5
Barium (Ba): EN 71-3 category 3	mg/kg	18750	<5
Boron (B): EN 71-3 category 3	mg/kg	15000	<5
Cadmium (Cd): EN 71-3 category 3	mg/kg	17	<2.5
Chromium III (Cr III) EN 71-3 category 3	mg/kg	460	<5
Chromium VI (Cr VI) EN 71-3 category 3	mg/kg	0.053	<0.053
Lead (Pb) EN 71-3 category 3	mg/kg	23	<5
Manganese (Mn): EN 71-3 category 3	mg/kg	15000	<5
Mercury (Hg) EN 71-3 category 3	mg/kg	94	<5
Nickel (Ni): EN 71-3 category 3	mg/kg	930	<5
Selenium (Se): EN 71-3 category 3	mg/kg	460	<5
Strontium (Sr): EN 71-3 category 3	mg/kg	56000	<5
Tin (Sn): EN 71-3 category 3	mg/kg	180000	<2.5
Zinc (Zn): EN 71-3 category 3	mg/kg	46000	<b>5.35</b>
Organo tin compounds DIn EN 71-3 category 3	mg/kg	12	<12
Cobalt (Co): EN 71-3 category 3	mg/kg	130	<5
Copper (Cu): EN 71-3 category 3	mg/kg	7700	<5
<b>Evaluation</b>			<b>PASS</b>

## Detailed results of Hardline testing

Sample no: 20-008115-02

### Tests according to DIN EN 71-2:2014

Clause	Safety Requirements	Test results / Remarks	Evaluation
4.1	General requirements		<b>PASS</b>
4.2	Toys to be worn on the head		<b>NA</b>
4.3	Toy disguise costumes and toys intended to be worn by a child in play		<b>NA</b>
4.4	Toys intended to be entered by a child		<b>NA</b>
4.5	Soft-filled toys		<b>NA</b>

Notes:

Labeling Age Grade : Not declared

Appropriate Age Grade : All ages

Testing Age Grade : All ages

**Tests according to DIN EN 71-1:2018**

Clause	Safety Requirements	Test results / Remarks	Evaluation
4	General requirements		PASS
4.1	Material cleanliness		PASS
4.2	Assembly		PASS
4.3	Flexible plastic sheeting		NA
4.4	Toy bags		NA
4.5	Glass		NA
4.6	Expanding materials		NA
4.7	Edges		PASS
a)	Edges of metal or glass		NA
b)	Overlap joints		NA
c)	Edges of metal and of rigid polymeric material		PASS
d)	Sharp functional edges		NA
4.8	Points and metallic wires		PASS
a)	Points		PASS
b)	Sharp functional points		NA
c)	Metallic wires intended to be bent		NA
d)	Metallic wires not designed to be bent		NA
e)	Splinters on surfaces and accessible edges of toys		NA
4.9	Protruding parts		NA
4.10	Parts moving against each other		NA
4.11	Mouth actuated toys		NA
4.12	Balloons		NA
4.13	Cords of toy kites and other flying toys		NA
4.14	Enclosures		NA
4.15	Toys intended to bear the mass of a child		NA
4.16	Heavy immobile toys		NA
4.17	Projectiles		NA
4.18	Aquatic toys and inflatable toys		NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps		NA
4.20	Acoustics		NA
4.21	Toys containing a non-electrical heat source		NA
4.22	Small balls		NA
4.23	Magnets		NA
4.24	Yo-yo balls		NA
4.25	Toys in conjunction with food		NA
4.26	Toy Disguise Costumes		NA
4.27	Flying toys		NA
5	Toys intended for children under 36 months		PASS
5.1	General requirements		PASS
a)	Toys and removable components		PASS

Clause	Safety Requirements	Test results / Remarks	Evaluation
b)	After abuse tests		<b>PASS</b>
c)	Metal points and wires		<b>NA</b>
d)	Large and bulky toys		<b>NA</b>
e)	Glued wooden toys and Toys with glued on plastic decals		<b>NA</b>
f)	Toys intended for children too young to sit up unaided (No hazardous crack)		<b>NA</b>
g)	Foam toy and toy containing accessible foam component,clamps and test fixture shall not damage when tested according 8.3 and 8.4.		<b>NA</b>
<b>5.2</b>	Soft-filled toys and soft-filled parts of a toy		<b>NA</b>
a)	Hard and sharp contaminants		<b>NA</b>
b)	toy containing small parts - Tension test, seams and materials		<b>NA</b>
c)	toy, containing fibrous filling material - Tension test, seams and materials		<b>NA</b>
<b>5.3</b>	Plastic sheeting		<b>NA</b>
<b>5.4</b>	Cords, chains and electrical cable in toys		<b>NA</b>
5.4.1	General		<b>NA</b>
5.4.2	Cords and chains in toys intended for children under 18 months		<b>NA</b>
5.4.2.1	Cords and chains with the potential to tangle		<b>NA</b>
5.4.2.2	Two cords or chains with the potential to tangle		<b>NA</b>
5.4.2.3	Separated cords and chains		<b>NA</b>
5.4.2.4	Free length of cords and chains		<b>NA</b>
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months		<b>NA</b>
5.4.3.1	Cords and chains with the potential to tangle		<b>NA</b>
5.4.3.2	Two cords or chains with the potential to tangle		<b>NA</b>
5.4.3.3	Separated cords and chains		<b>NA</b>
5.4.3.4	Free length of cords and chains		<b>NA</b>
5.4.3.5	Cords and chains not suitable for children under 18 months		<b>NA</b>
5.4.4	Fixed loops, tangled loops and nooses		<b>NA</b>
5.4.5	Cords and chains on pull along toys		<b>NA</b>
5.4.6	Electrical cables		<b>NA</b>
5.4.7	Cross-sectional dimension of certain cords		<b>NA</b>
5.4.8	Self-retracting cords		<b>NA</b>
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator		<b>NA</b>
<b>5.5</b>	Liquid-filled toys		<b>NA</b>
<b>5.6</b>	Speed limitation of electrically-driven ride-on toys(<6km/h)		<b>NA</b>
<b>5.7</b>	Glass and porcelain(not use for children under 36months)		<b>NA</b>
<b>5.8</b>	Shape and size of certain toys		<b>PASS</b>
<b>5.9</b>	Toy comprising monofilament fiber>50mm		<b>NA</b>
<b>5.10</b>	Small balls		<b>NA</b>
<b>5.11</b>	Play figures(Overall Length ≤ 64mm)		<b>NA</b>
<b>5.12</b>	Hemispheric shaped toys (packaging is included)		<b>NA</b>
<b>5.13</b>	Suction cups		<b>NA</b>
<b>5.14</b>	Straps intended to be worn fully or partially around the neck		<b>NA</b>
<b>5.15</b>	Sledges with cords for pulling		<b>NA</b>
<b>6</b>	Packaging		<b>NA</b>
<b>7</b>	Warnings, marking and instructions for use		

Clause	Safety Requirements	Test results / Remarks	Evaluation
	Marking and instructions for use	Remark: The CE marking, manufacturer name, address and product identification are not available on the product. The packaging is not provided.	*
<b>7.1</b>	General		<b>NA</b>
	Warnings on toys shall not be misleading or incorrect		<b>NA</b>
	A toy shall not bear a warning that conflicts with the intended use of the toy, as determined by virtue of its function, dimension and characteristics		<b>NA</b>
	The warnings shall be preceded by the words "Warning" or "Warnings"		<b>NA</b>
	The manufacturer shall mark the warnings in a clearly visible, easily legible and understandable and accurate manner on the toy, on an affixed label or on the packaging, if appropriate, include the warnings in the instructions for use.		<b>NA</b>
	Warnings which determine the decision to purchase the toy shall appear on the consumer packaging or be otherwise clearly visible to the consumer before the purchase.		<b>NA</b>
	Small toys that are sold without packaging(for example from a display box or from a vending machine) shall have the appropriate warnings affixed to them.		<b>NA</b>
<b>7.2</b>	Toys not intended for children under 36 months		<b>NA</b>
<b>7.3</b>	Latex balloons		<b>NA</b>
<b>7.4</b>	Aquatic toys		<b>NA</b>
<b>7.5</b>	Functional toys		<b>NA</b>
<b>7.6</b>	Hazardous sharp functional edges and points		<b>NA</b>
<b>7.7</b>	Projectiles		<b>NA</b>
<b>7.8</b>	Imitation protective masks and helmets		<b>NA</b>
<b>7.9</b>	Toy kites		<b>NA</b>
<b>7.10</b>	Roller skates, inline skates, skateboards and certain other ride- on toys		<b>NA</b>
<b>7.11</b>	Toys intended to be attached to or strung across a cradle, cot, or perambulator		<b>NA</b>
<b>7.12</b>	Liquid-filled teethers		<b>NA</b>
<b>7.13</b>	Percussion caps specifically designed for use in toys		<b>NA</b>
<b>7.14</b>	Acoustics		<b>NA</b>
<b>7.15</b>	Toy bicycles		<b>NA</b>
<b>7.16</b>	Toys intended to bear the mass of a child		<b>NA</b>
<b>7.17</b>	Toys comprising monofilament fibres		<b>NA</b>
<b>7.18</b>	Toy scooters		<b>NA</b>
<b>7.19</b>	Rocking horses and similar toys		<b>NA</b>
<b>7.20</b>	Magnetic/electrical experimental sets		<b>NA</b>
<b>7.21</b>	Toys with electrical cables exceeding 300 mm in length		<b>NA</b>
<b>7.22</b>	Toys with cords or chains intended for children of 18 months and over but under 36 months		<b>NA</b>
<b>7.23</b>	Toys intended to be attached to a cradle, cot or perambulator		<b>NA</b>



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The tested item was selected by the client. Remaining test material is disposed after 3 months. The report must not be reproduced except in full content without the written approval of the testing laboratory. The report is signed digitally and password protected. For printing use the print option -document and comments-. The amount of minor components may be insufficient to perform the announced tests. In this case the test report will carry the mark: component insufficient for lab test. If testing of all components is required we need a sufficient amount of all minor components.

#### Migration of certain elements (DIN EN 71-3)

Test method: EN 71-3:2019

standardized method

The metals are eluted from the material sample by using 0,07 molar HCl with a ratio of 1:50 , then determined by ICP-MS

#### Flammability test (DIN EN71-2)

Test method: DIN EN 71-2:2014/ EN 71-2:2011+A1:2014

standardized method

The test methods are used for the purposes of determining the flammability of toys under the particular test conditions specified.

#### Mechanical Test (DIN EN 71-1)

Test method: EN 71-1:2014+A1:2018/DIN EN 71-1:2018

standardized method

This standard aims at reducing as far as possible those hazards which are not evident to users