

Gohandmade Dsign International A/S
HANNE
Madevej 13, 6200
Aabenraa, Denmark
DENMARK

Report No.: 09128-1 SHA20
Date: 21.09.20
Order No.: SHA-07356-20
Date of order: 03.08.20
Contact: Cindy Jiang
Direct dial: +86 (21) 60725688 - 5653
Email: cindy.jiang@hansecontrol.com

Test Report

Order description:

Chemical Test

Article Name	SUSPENDER CLIP FOR PACIFIER CHAIN
Material	wood, stainless steel
External customer	Buyer: GOHANDMADE DSIGN INTERNATIONAL A/S
Condition of sample at delivery	no defects
Arrival date	04.08.20
Test start date	04.08.20
Test end date	18.09.20



Limit lists

Chem.	Limit values according to client request(s)
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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. Unless otherwise stated, the statement of conformity decision will be made without taking the measurement uncertainty into account.


Jacky Sun
Report Reviewer

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Summary

20-025230-01 - SUSPENDER CLIP FOR PACIFIER CHAIN

Age Group: Infant

Country of Destination:Denmark

All test results comply with the requirements according to the scope of analysis.

Remark: All test items were conducted by an accredited subcontractor.

Overview of Chem. testing

Sample no	Type / Style
20-025230-01	-

Component list	
No	Components
01	Buckle natural wood
02	Buckle white plastic
03	Clip silver metal
04	Hook silver metal

Customer requirements evaluation				
	Components			
	Tested	Result	Failed	Not tested
EN12586:2007+A1:2011 - 5.3.10 Monomers	02	PASS		
EN12586:2007+A1:2011 - 5.3.7 phthalate content	02	PASS		
EN12586:2007+A1:2011 5.3.11 Wood preservatives	01	PASS		
EN12586:2007+A1:2011 5.3.3 Migration of certain elements	01, 02	PASS		
EN12586:2007+A1:2011 5.3.6.2 Formaldehyde-wooden Components	01	PASS		
EN12586:2007+A1:2011-5.3.4 Nickel	03, 04	PASS		

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: 20-025230-01

EN12586:2007+A1:2011 - 5.3.10 Monomers

Sample type: Chem.

Norm: DIN EN 71-9 /-10 /-11

			02
Parameter	Unit	Limit	Result
Acrylamide	mg/l	0.02	<0.02
Bisphenol A	mg/l	0.1	<0.01
Formaldehyde	mg/l	2.5	<0.2
Phenol	mg/l	15	<1
Styrene	mg/l	0.75	<0.75
Evaluation			PASS

EN12586:2007+A1:2011 - 5.3.7 phthalate content

Sample type: Chem.

Norm: DIN EN ISO 14389(mod.)

			02
Parameter	Unit	Limit	Result
Dibutyl phthalate / DBP	%	-	<0.005
Butylbenzyl phthalate/ BBP	%	-	<0.005
Di-(2ethylhexyl)-phthalate / DEHP	%	-	<0.005
Di-n-octylphthalate / DNOP	%	-	<0.005
Di-iso-nonylphthalate / DINP	%	-	<0.005
Di-iso-decylphthalate / DIDP	%	-	<0.005
Plasticizer - phthalic acid esters sum	%	0.1	<0.1
Evaluation			PASS

EN12586:2007+A1:2011 5.3.11 Wood preservatives

Sample type: Chem.

Norm: DIN EN 71-9 /-10 /-11

			01
Parameter	Unit	Limit	Result
2-methyl-4-isothiazoline-3-one	mg/kg	10	<10
5-Chlor-2-methyl-4-isothiazoline-3-one	mg/kg	10	<10
Sum (5-Chlor-2-methyl-4-isothiazoline-3-one + 2-Methyl-4-isothiazolin-3-on)	mg/kg	15	<15
Formaldehyde	mg/kg	0.05	<0.05
1,2-benzylisothiazoline-3-one	mg/kg	5	<5
Phenol	mg/kg	10	<10
Evaluation			PASS

EN12586:2007+A1:2011 5.3.3 Migration of certain elements

Sample type: Chem.

Norm: EN 71-3

Parameter	Unit	Limit	01	02
			Result	Result
Antimony (Sb)	mg/kg	60	<10	<10
Arsenic (As)	mg/kg	25	<10	<10
Barium (Ba)	mg/kg	1000	19.1	<10
Cadmium (Cd)	mg/kg	75	<10	<10
Chromium (Cr)	mg/kg	60	<10	<10
Lead (Pb)	mg/kg	90	<10	<10
Mercury (Hg)	mg/kg	60	<10	<10
Selenium (Se)	mg/kg	500	<10	<10
Evaluation			PASS	PASS

EN12586:2007+A1:2011 5.3.6.2 Formaldehyde-wooden Components

Sample type: Chem.

Norm: EN 717-3

Parameter	Unit	Limit	01
			Result
Formaldehyde	mg/kg	80	<10
moisture content in wood	%	-	6.9
Evaluation			PASS

EN12586:2007+A1:2011-5.3.4 Nickel

Sample type: Chem.

Norm: EN 1811

Parameter	Unit	Limit	03	04
			Result	Result
area of nickel release	cm ²	-	1.3	6.2
volume of artificial perspiration solution - nickel release	ml	-	1.3	6.2
Nickel: release	µg/(cm ² * week)	0.5	<0.1	<0.1
Evaluation			PASS	PASS

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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.

EN12586:2007+A1:2011 - 5.3.10 Monomers

Test method: DIN EN 71-9 /-10 /-11

standardized method

determined in aqueous extracts of toy materials by headspace - gas chromatography with mass spectrometry detection

EN12586:2007+A1:2011 - 5.3.7 phthalate content

Test method: DIN EN ISO 14389(mod.)

standardized method

With reference to ISO 14389 ,Analysis by GC/MS

EN12586:2007+A1:2011 5.3.11 Wood preservatives

Test method: DIN EN 71-9 /-10 /-11

standardized method

EN12586:2007+A1:2011 5.3.3 Migration of certain elements

Test method: EN 71-3

standardized method

Elements - With reference to EN 71 Part 3, analysis was performed by ICP-MS.

EN12586:2007+A1:2011 5.3.6.2 Formaldehyde-wooden Components

Test method: EN 717-3

standardized method

Suspend sample over water in closed container maintain constant temperature, the formadehyde content absorbed of the water is determined by UV-VIS

EN12586:2007+A1:2011-5.3.4 Nickel

Test method: EN 1811

standardized method

As specified in EN 1811. Analysis was performed by AAS, ICP-OES.