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Report No.: 02766-1 DGN20
Date: 31.03.20
Order No.: DGN-02601-20
Date of order: 26.03.20
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Test Report

Order description:

Toys test

Article Name	Squeaker
Article No.	Article No.: 22095,22096
Condition of sample at delivery	no defects
Arrival date	26.03.20
Test start date	26.03.20
Test end date	31.03.20



Limit lists

Chem.	Customer test requirements
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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.



Goff Long
Lab Manager

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Summary

20-008801-01 - Squeaker

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

Overview of Chem. testing

Sample no	Type / Style
20-008801-01	-

Component list	
No	Components
01	Squeaker shell transparent plastic
02	Squeaker plug translucent milk white plastic

Customer requirements evaluation				
	Components			
	Tested	Result	Failed	Not tested
Migration of certain elements (DIN EN 71-3)	01, 02	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: 20-008801-01

Migration of certain elements (DIN EN 71-3)

Sample type: Chem.

Norm: EN 71-3:2019

Issue date: 2019-04

Parameter	Unit	Limit	01	02
			Result	Result
Aluminum (Al): EN 71-3 category 3	mg/kg	70000	<5	<5
Antimony (Sb): EN 71-3 category 3	mg/kg	560	<5	<5
Arsenic (As) EN 71-3 category 3	mg/kg	47	<2.5	<2.5
Barium (Ba): EN 71-3 category 3	mg/kg	18750	<5	<5
Boron (B): EN 71-3 category 3	mg/kg	15000	<5	<5
Cadmium (Cd): EN 71-3 category 3	mg/kg	17	<2.5	<2.5
Chromium III (Cr III) EN 71-3 category 3	mg/kg	460	<5	<5
Chromium VI (Cr VI) EN 71-3 category 3	mg/kg	0.053	<0.053	<0.053
Lead (Pb) EN 71-3 category 3	mg/kg	23	<5	<5
Manganese (Mn): EN 71-3 category 3	mg/kg	15000	<5	<5
Mercury (Hg) EN 71-3 category 3	mg/kg	94	<5	<5
Nickel (Ni): EN 71-3 category 3	mg/kg	930	<5	<5
Selenium (Se): EN 71-3 category 3	mg/kg	460	<5	<5
Strontium (Sr): EN 71-3 category 3	mg/kg	56000	<5	<5
Tin (Sn): EN 71-3 category 3	mg/kg	180000	<2.5	<2.5
Zinc (Zn): EN 71-3 category 3	mg/kg	46000	<5	<5
Organo tin compounds DIn EN 71-3 category 3	mg/kg	12	<12	<12
Cobalt (Co): EN 71-3 category 3	mg/kg	130	<5	<5
Copper (Cu): EN 71-3 category 3	mg/kg	7700	<5	<5
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.

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