

Maidamax (M) SDN. BHD.  
Lot 10-13, Jalan PKNK 1/2  
Mr. Samuel Saw  
Kawasan Perusahaan Sungai Petani  
MY-08000 Sungai Petani, Kedah  
**Malaysia**

Alena Knauz  
Project Manager  
Tel.: +49 6128744-675, Fax: +49 6128744-534  
alena.knauz@sgs.com  
Connectivity & Products  
Non Food

Taunusstein, 30/07/2021

**Test-report no. 5390111**  
**Test-report version < 1 >**

Original Sample ID	Sample Description	Sample Receipt Date
210746875	Natural Latex Pacifier Teat, Batch No. 2021 / 06 / 896	21/06/2021

**General Information**



SGS-Client's ID	:	5436300
SGS-Customer-Order	:	5812940
Ordering date	:	15/06/2021
Testing period	:	23/06/2021 – 28/07/2021
Buyer	:	-
Order No.	:	1/21/06/070
Testing scope	:	Test according to test suggestion

**Assessment**

<b>Overall assessment</b>	<b>Pass</b>
The contents of all parameters tested are below their respective limits.	

**SGS INSTITUT FRESENIUS GmbH**

*This test report was electronically created and released:*

	date	name		function	department
created	30.07.2021	i. A.	Sabrina Baldauf	Teamassistentin	C&P Non Food Spezielle Analytik
released	02.08.2021	i.A.	Dr. Simone Kirchert	Customer Service Consultant	Toys & Juvenile Products

**Test report no. 5390111**

Maidamax (M) SDN. BHD. Lot 10-13, Jalan PKNK 1/2  
 Kawasan Perusahaan Sungai Petani  
 MY-08000 Sungai Petani, Kedah

SGS Order No.: 5812940  
 Date: 30/07/2021  
 Page 2/6

**Summary of results**

Test	Result
Specific migration of formaldehyde (EN 1400:2018)	Pass
Migratable N-nitrosamines and N-nitrosatable substances	Pass
Colour fastness saliva (EN 1400:2018)	Pass
Migration of certain elements incl. chromium VI (EN 1400:2018)	Pass
Specific migration of MBT & antioxidants (EN 1400:2018)	Pass

**Note:**

Conclusions on pass/fail are based on the test result from the actual sampling of the received sample(s). Conclusions are based on the relevant requirements; measurement uncertainties are not taken into account. Only results above the relevant detection limit are taken into account for the calculation of sums. Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result. The composite sampling method is based on the client's special request and could be a modification from the testing standard. For 2-composite mix with results exceeding one half of the relevant requirements or 3-composite mix with results exceeding one third of the relevant requirements, the composite sample may have the possibility of one or more components that can lead to a failure result, it is recommended to test on individual basis.

**Photo documentation**



**Test report no. 5390111**

Maidamax (M) SDN. BHD. Lot 10-13, Jalan PKNK 1/2  
Kawasan Perusahaan Sungai Petani  
MY-08000 Sungai Petani, Kedah

SGS Order No.: 5812940

Date: 30/07/2021

Page 3/6

**Analytical results**

**Specific migration of formaldehyde (Ref. No: 17260/54880, CAS No: 50-00-0)**

**Test Method**

DIN EN 1400:2018-11. The migration was carried out according to DIN EN 71-10. The determination was carried out according to DIN EN 71-11.

simulant water  
duration 95 minutes  
temperature 20 +/- 1°C  
approach 1 test per 100 ml

<u>Sample(s)</u>	<u>Unit</u>	<u>Result</u> <b>210746875</b>
formaldehyde (50-00-0)	mg/kg	1st contact < 0.3
Conclusion		Pass

Note:

**Requirement:** max. 0.375 mg/L test simulant (DIN EN 1400:2018-11)

**Migratable N-Nitrosamines and N-nitrosatable substances**

**Test Method**

Nitrosamines DIN EN 12868 2017-04

<u>Sample(s)</u>	<u>Unit</u>	<u>Limit of Quantification</u>	<u>Migratable N-Nitrosamines</u> <b>210746875</b>	<u>Migratable N-nitrosatable substances</u> <b>210746875</b>
N-Nitrosodimethylamine (NDMA)	mg/kg	0.001	< 0.001	<b>0.002</b>
N-Nitrosodiethylamine (NDEA)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodipropylamine (NDPA)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodibutylamine (NDBA)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosopiperidine (NPIP)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosopyrrolidine (NPYR)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosomorpholine (NMOR)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodiisobutylamine (NDiBA)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodibenzylamine (NDBzA)	mg/kg	0.005	< 0.005	<b>0.012</b>
N-Nitroso-N,N-di(3,5,5-trimethylhexyl)amine (NDiNA)	mg/kg	0.005	< 0.005	< 0.005
N-Nitroso N-methyl N-phenylamine (NMPhA)	mg/kg	0.005	< 0.005	< 0.005
N-Nitroso N-ethyl N-phenylamine (NEPhA)	mg/kg	0.005	< 0.005	< 0.005
Total	mg/kg		< 0.005	<b>0.014</b>
Corrected value <sup>[1]</sup>	mg/kg		-	-
Quantity allowed, max. <sup>[2]</sup>	mg/kg		0.01	0.1
Conclusion			Pass	Pass

**Test report no. 5390111**

Maidamax (M) SDN. BHD. Lot 10-13, Jalan PKNK 1/2  
 Kawasan Perusahaan Sungai Petani  
 MY-08000 Sungai Petani, Kedah

SGS Order No.: 5812940  
 Date: 30/07/2021  
 Page 4/6

**Note:**

For the summation of all Nitrosamines only those with a result above the limit of quantification will be taken into account.

<sup>[1]</sup> Taking into account the results of a collaborative trial initiated by CEN, the standard DIN EN 12868 (9. Analytical tolerances) provides for an adjustment of the results of the analysis with regard to the sum of the migratable N-nitrosamines by 0.01 mg/kg and of the migratable N-nitrosatable substances by 0.1 mg/kg if the established value is above the required value of 0.01 mg/kg or 0.1 mg/kg, respectively (in accordance with a tolerance of 100 per cent at the required limit of 0.01 mg/kg or 0.1 mg/kg, respectively).

<sup>[2]</sup> according to guideline 93/11/EG, Art. 2 (Abl. EG Nr. L 93 S. 37)

**Colour Fastness Saliva**

**Test Method**

DIN 53160-1 2010-10, Determination of the colour fastness of articles of common use, Part 1: Test with artificial saliva

<u>Sample(s)</u>	<u>Unit</u>	<u>Result</u>
Change in Shade		Saliva 5
Conclusion		Pass

**Note:**

**Requirement:** Assessment via greyscale, assessment-system ranges from 1-5. Assessment 5 means full colour > 4 according to EN DIN EN 1400:2018

**Test report no. 5390111**

Maidamax (M) SDN. BHD. Lot 10-13, Jalan PKNK 1/2  
Kawasan Perusahaan Sungai Petani  
MY-08000 Sungai Petani, Kedah

SGS Order No.: 5812940

Date: 30/07/2021

Page 5/6

**Migration of certain elements incl. Chromium VI**

**Test Method**

EN 1400 2018-11, Analysis was conducted according to DIN EN 71-3:2019-08 by Inductively Coupled Argon Plasma Spectrometry

<u>Sample(s)</u>	<u>Unit</u>	<u>Result</u> <b>210746875</b>
Aluminum (Al)	mg/kg	< 10
Antimony (Sb)	mg/kg	< 1.0
Arsenic (As)	mg/kg	< 0.5
Boron (B)	mg/kg	< 10
Barium (Ba)	mg/kg	< 1
Cadmium (Cd)	mg/kg	< 0.1
Cobalt (Co)	mg/kg	< 1.0
Chromium (Cr), total	mg/kg	< 0.200 <sup>[1]</sup>
Chromium VI (CrVI)	mg/kg	< 0.005
Copper (Cu)	mg/kg	< 1.0
Manganese (Mn)	mg/kg	< 1.0
Nickel (Ni)	mg/kg	< 1.0
Lead (Pb)	mg/kg	< 0.5
Selenium (Se)	mg/kg	< 1.0
Tin (Sn)	mg/kg	< 0.080
Strontium (Sr)	mg/kg	< 10
Zinc (Zn)	mg/kg	<b>54</b>
Mercury (Hg)	mg/kg	< 1.0
Conclusion		Pass

Note:

Limits according to EN 1400:2018

<u>Substance</u>	<u>Unit</u>	<u>limits according to</u> <b>EN 1400:2018</b>
Aluminum (Al)	mg/kg	1 430
Antimony (Sb)	mg/kg	60
Arsenic (As)	mg/kg	5.0
Boron (B)	mg/kg	1 600
Barium (Ba)	mg/kg	2000
Cadmium (Cd)	mg/kg	1.8
Cobalt (Co)	mg/kg	14
Chromium (Cr III)	mg/kg	50
Chromium (Cr VI)	mg/kg	0.001
Copper (Cu)	mg/kg	830
Manganese (Mn)	mg/kg	300
Nickel (Ni)	mg/kg	28
Lead (Pb)	mg/kg	2.5
Selenium (Se)	mg/kg	50
Tin (Sn)	mg/kg	20 000
Organotin	mg/kg	1.3
Strontium (Sr)	mg/kg	6 000
Zinc (Zn)	mg/kg	5 000
Mercury (Hg)	mg/kg	10

Remark:

The valid detection limit of the test method according to EN 71-3 must be applied. The test is passed as soon as the Cr-VI content measure in the sample is below the detection limit of the valid DIN EN 71-3 version. The current threshold for Chromium VI according to DIN EN 71-3 category 3 is 0.053 mg/kg.

<sup>[1]</sup> higher limit of quantification due to analytical interferences

SGS Institut Fresenius GmbH, Im Maisel 14, D-65232 Taunusstein

Member of the SGS Group (Société Générale de Surveillance)

Die Prüfergebnisse beziehen sich ausschließlich auf die untersuchten Prüfgegenstände und den Zeitpunkt der Durchführung der Prüfung im Rahmen der Prüfvorgaben. Die Veröffentlichung und Vervielfältigung unserer Prüfberichte und Gutachten zu Werbezwecken sowie deren auszugsweise Verwendung in sonstigen Fällen bedürfen unserer schriftlichen Genehmigung. Werte nach „<“ sind Bestimmungsgrenzen. Die Bestimmung der mit \* gekennzeichneten Parameter wurde mit einem Kooperationspartner durchgeführt. Wir möchten darauf hinweisen, dass die Beurteilung der Ergebnisse ohne Berücksichtigung der Messunsicherheiten erfolgt. Auf Wunsch können wir Ihnen jedoch die Messunsicherheiten zur Verfügung stellen und nach Absprache zur Beurteilung der Ergebnisse heranziehen. The test results refer exclusively to the examined test items and the date of the test under the test specifications. Written acknowledgement for publication and duplication of our analytical reports for promotional purpose, as well as fractional use for other purposes are mandatory. Numbers following „<“ represent limits of quantification. Determination of parameters marked with \* was performed with a cooperation partner. We would like to point out that measurement uncertainties are not taken into account for conclusions. On request, we can provide measurement uncertainties and take them into account for conclusions upon consultation.

**Test report no. 5390111**

Maidamax (M) SDN. BHD. Lot 10-13, Jalan PKNK 1/2  
 Kawasan Perusahaan Sungai Petani  
 MY-08000 Sungai Petani, Kedah

SGS Order No.: 5812940

Date: 30/07/2021

Page 6/6

**Specific migration of MBT & antioxidants**

**Test Method**

DIN EN 1400:2018-11. The migration was carried out according to DIN EN 71-10. The determination was carried out according to DIN EN 71-11.

Simulant                    water  
 Duration                    95 minutes  
 Temperature                20 +/- 1°C  
 Approach                    1 part per 100 ml

<u>Sample(s)</u>	<u>Unit</u>	<u>Result</u> <b>210746875</b>	<u>Requirement*</u>
2-MBT	mg/l	< 0.1	max 8.0
BHT	mg/l	< 0.1	max. 0.3125
A-2246	mg/l	< 0.03	Sum: max.0.0625
Cyanox 425	mg/l	< 0.03	
Wingstay L	mg/l	< 0.1	max.0.25
Irganox	mg/l	< 0.1	max.0.25
Conclusion		Pass	

Note:

[1] according to EN 1400:2018

For the summation only those antioxidants with a result over the limit of quantification will be taken into account.

\*\*\* End of test report \*\*\*

This document is issued by the Company subject to its General Conditions of Service ([www.sgsgroup.de/agb](http://www.sgsgroup.de/agb)). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein. This document is an original. If the document is submitted digitally, it is to be treated as an original within the meaning of UCP 600. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Note: The sample(s) to which the findings recorded herein (the "findings ") relate was (were) probably drawn and / or provided by the client or by a third party acting at the client's direction. In this case the findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.