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Connectivity & Products
Non Food



Taunusstein, 07.02.2024

Test-report no. 6727571

Original Sample ID	Sample Description	Sample Receipt Date
240062017	Balloons Mix Standard, Metallic, Macarone, Chrome	18/01/2024

General Information

SGS-Client's ID	:	10000874
SGS-Customer-Order	:	6873523
Ordering date	:	15/01/2024
Testing period	:	19/01/2024 – 01/02/2024
Buyer	:	-
Order No.	:	-
Item No.	:	09012
Testing scope	:	Test according to client's requirements

Assessment

Overall assessment	Pass
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	07.02.2024	i. A. Malika Michel	Customer Service Assistant	Connectivity & Products (C&P) - TJP
Released	07.02.2024	i.V. Kerstin Graf	Customer Service Consultant	Connectivity & Products - TJP

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Summary of results

Test	Result
Migratable N-Nitrosamines and N-nitrosatable substances	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



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List of sample parts

Comp. no	Component-ID	Sample-Description			Original Sample ID
1	240063323	balloons	latex	black	240062017
2	240063324	balloons	latex	blue	240062017
3	240063325	balloons	latex	fuchsia	240062017
4	240063326	balloons	latex	yellow	240062017
5	240063327	balloons	latex	creamy white	240062017

Analytical results

Migratable N-Nitrosamines and N-nitrosatable substances

Test Method

Nitrosamines DIN EN 71-12:2017-03 LC-MS/MS

Subsample(s)	Unit	Limit of Quantification	Migratable N-Nitrosamines	Migratable N-nitrosatable substances
			1+2+3+4+5	1+2+3+4+5
N-Nitrosodimethylamine (NDMA) (62-75-9)	mg/kg	0.005	< 0.005	< 0.005
N-Nitrosodiethylamine (NDEA) (55-18-5)	mg/kg	0.002	< 0.002	< 0.002
N-Nitrosodiisopropylamine (NDIPA) (601-77-4)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodipropylamine (NDPA) (621-64-7)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodiisobutylamine (NDiBA) (997-95-5)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosodibutylamine (NDBA) (924-16-3)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosopiperidine (NPIP) (100-75-4)	mg/kg	0.001	< 0.001	< 0.001
N-Nitrosopyrrolidine (NPYR) (930-55-2)	mg/kg	0.002	< 0.002	< 0.002
N-Nitrosomorpholine (NMOR) (59-89-2)	mg/kg	0.002	< 0.002	< 0.002
N-Nitroso N-ethyl N-phenylamine (NEPhA) (612-64-6)	mg/kg	0.002	< 0.002	< 0.002
N-Nitroso N-methyl N-phenylamine (NMPhA) (614-00-6)	mg/kg	0.002	< 0.002	< 0.002
N-Nitrosodiisononylamine (NDiNA) (1207995-62-7)	mg/kg	0.010	< 0.010	< 0.010
N-Nitrosodibenzylamine (NDBZA) (5336-53-8)	mg/kg	0.001	0.002	0.002
N-Nitrosodiethanolamine (NDELA) (1116-54-7)	mg/kg	0.005	< 0.005	< 0.005
Total	mg/kg		0.002	0.002
Quantity allowed, max. ^[1]	mg/kg		0.05	1.0
Conclusion total			Pass	Pass

Note:

^[1] according to DIN EN 71-12:2017-03

*** End of test report *

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