

Test report

24A-001999(A2)



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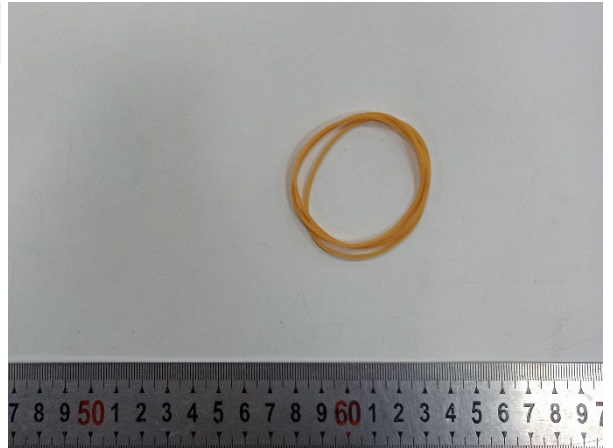
Overall result

PASS

Please refer to the following pages for test result summary and notes.

Client information

Client: Anhui Province Qianshan City Chuangxian Industrial Co., Ltd
Address: No .18 Danxia Road Qianshan Economic Development Zone, Anhui Province, China.



Sample information

Description: A grade rubber bands
SKU/style #: A grade
Country of origin: -
Country of distribution: -
Quantity submitted: 1 pkg
Labeled age grade: -
Tested age grade: -
Materials: TPR

General information

Sample receipt date: 05-Mar-2024
Testing period: 05-Mar-2024 to 15-Mar-2024
Report date: 15-Mar-2024

QIMA (Hangzhou) Testing Co., Ltd.

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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
Regulation (EC) No 1935/2004, (EU) No 10/2011 -Sensorial examination odour and taste test	PASS
European Policy Statement & Resolution ResAP(2004)4 on Rubber Products Intended to Come into Contact with Food - Overall Migration	PASS
European Policy Statement & Resolution ResAP(2004)4 on Rubber Products Intended to Come into Contact with Food - Specific Migration of Primary Aromatic Amines	PASS
European Policy Statement & Resolution ResAP(2004)5 on Rubber Products Intended to Come into Contact with Food - Specific Migration of N-nitrosamines & N-nitrosatable substances ^φ	PASS

Note:

Test(s) marked with ^φ indicate tests performed in external laboratories.



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Detailed results

Regulation (EC) No 1935/2004, (EU) No 10/2011 -Sensorial examination odour and taste test

Test Method: DIN 10955: 2004

Test condition: 40°C, 0.5 hours

Test media: Distilled water

No. of panelist: 6

Specimen No.	2	---	---	---	Max. Permissible Limit
Test Item	Result	Result	Result	Result	
Sensorial examination odour (Point scale)	0	---	---	---	2.5
Sensorial examination taste (Point scale)	0	---	---	---	2.5
Conclusion	PASS	---	---	---	

Scale evaluation:

0: No perceptible odour

1: Odour just perceptible (still difficult to define)

2: Moderate odour

3: Moderately strong odour

4: Strong odour



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Detailed results

European Policy Statement & Resolution ResAP(2004)4 on Rubber Products Intended to Come into Contact with Food - Overall Migration

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V, Regulation (EU) 2020/1245, EN 1186-3:2002 (Total Immersion Method)

Single use materials and articles

Specimen No.			1	---	---	Limit (mg/dm ²)
Test Simulant	Test Condition		Result (mg/dm ²)	Result (mg/dm ²)	Result (mg/dm ²)	
	Temp.	Duration				
10% Ethanol	40 °C	0.5 hours	ND	---	---	10
Conclusion			PASS	---	---	

Note:

Temp. = Temperature

°C = Degree Celsius

mg/dm² = Milligrams per square decimeter

LT = Less than

ND = Not detected (Reporting Limit = 3 mg/dm²)



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Detailed results

European Policy Statement & Resolution ResAP(2004)4 on Rubber Products Intended to Come into Contact with Food - Specific Migration of Primary Aromatic Amines

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V, Regulation (EU) 2020/1245, EN 13130-1:2004, (Total Immersion Method)

Analytical Method: Liquid Chromatography with Tandem Mass Spectrometry (LC-MSMS)

Test Condition:

Simulant: 3% Acetic acid Temperature: 40 °C Duration: 0.5 hours

Single use materials and articles

Specimen No.	1	---	---	RL (mg/kg)	Migratable Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
4-Aminobiphenyl (4-ABP)	ND	---	---	0.002	0.002
Benzidine (BNZ)	ND	---	---	0.002	0.002
4-Chloro-o-Toluidine (4-CoT)	ND	---	---	0.002	0.002
2-Naphthylamine(2-Nap)	ND	---	---	0.002	0.002
4-Amino-2',3-dimethylazobenzene (o-AAT)	ND	---	---	0.002	0.002
5-Nitro-o-toluidine(2-M-5-NA)	ND	---	---	0.002	0.002
4-Chloro-Aniline (4-CA)	ND	---	---	0.002	0.002
4-Methoxy-mphenylenediamine (4-M-mPDA)	ND	---	---	0.002	0.002
4,4'-Methylenedianiline (4,4'-MDA)	ND	---	---	0.002	0.002
3,3'-Dichlorobenzidine(3,3'-DCB)	ND	---	---	0.002	0.002
3,3'-Dimethoxybenzidine (3,3'-DMB)	ND	---	---	0.002	0.002
3,3-Dimethylbenzidine (3,3-DMB)	ND	---	---	0.002	0.002
4,4-Methylenedi-o-toluidine (4,4'-MDoT)	ND	---	---	0.002	0.002
2-Methoxy-5-Methylaniline (2-M-5-MA)	ND	---	---	0.002	0.002
4,4'-Methylene-bis-(2-chloro-aniline) (4,4'MB-2-CA)	ND	---	---	0.002	0.002
4,4-Diaminodiphenylether (4,4'-DPE)	ND	---	---	0.002	0.002
4,4'-Thiodianiline(4,4'-THOA)	ND	---	---	0.002	0.002
o-Toluidine (O-T)	ND	---	---	0.002	0.002
2,4-Toluenediamine (2,4-TDA)	ND	---	---	0.002	0.002
2,4,5-Trimethylaniline (2,4,5-TMA)	ND	---	---	0.002	0.002
o-Anisidine (o-ASD)	ND	---	---	0.002	0.002
4-Aminoazobenzene(4-AAB)	ND	---	---	0.002	0.002
m-Phenylenediamine (m-PDA)	ND	---	---	0.002	0.002
2,6-Dimethylaniline (2,6-DMA)	ND	---	---	0.002	--
Aniline (ANL)	ND	---	---	0.002	
p-Phenylenediamine (p-PDA)	ND	---	---	0.002	





2,4-Dimethylaniline (2,4-DMA)	ND	---	---	0.002	
2,6-Toluediamine (2,6-TDA)	ND	---	---	0.002	
1,5-Diaminenaphthalene (1,5-DAN)	ND	---	---	0.002	
Specific migration of PAA (total 24-29)	ND	---	---	--	0.010
Conclusion	PASS	---	---		

Note:

°C = Degree Celsius

mg/kg = Milligrams per kg foodstuff

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Unless specified, 1st migration is reported.



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Detailed results

European Policy Statement & Resolution ResAP(2004)5 on Rubber Products Intended to Come into Contact with Food - Specific Migration of N-nitrosamines & N-nitrosatable substances ^ϕ

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V, Regulation (EU) 2020/1245, EN 13130-1:2004, (Total Immersion Method)

Analytical Method: Liquid Chromatography with Tandem Mass Spectrometry

Test Condition:

Simulant: 3% Acetic acid Temperature: 40°C Duration: 0.5 hours

Single use materials and articles

Specimen No.	1	---	---	---	RL (mg/kg)	Migration Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
N-nitrosamines	ND	---	---	---	0.01	ND
N-nitrosatable substances	ND	---	---	---	0.1	ND
Conclusion	PASS	---	---	---		

Note:

°C = Degree Celsius

mg/kg = Milligrams per kg foodstuff

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Unless specified, 1st migration is reported.



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Specimen description

Specimen #	Specimen description	Location
1	Brown soft plastic	Rubber band (brown style)
2	A grade rubber bands	Finished product (brown style)



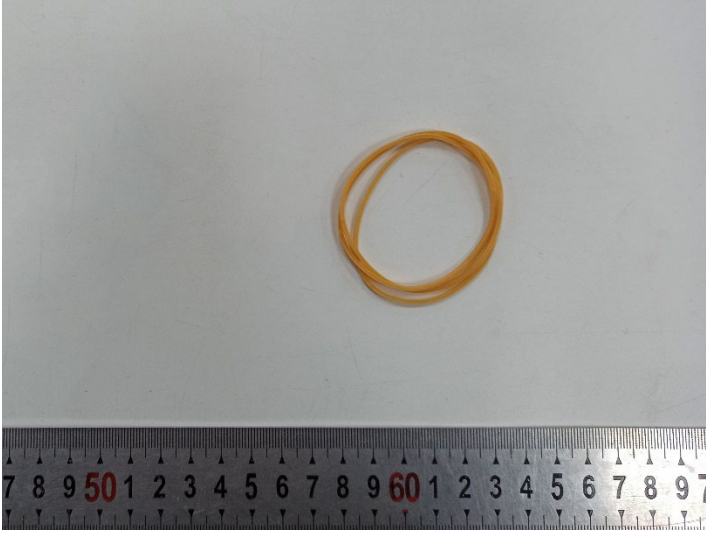
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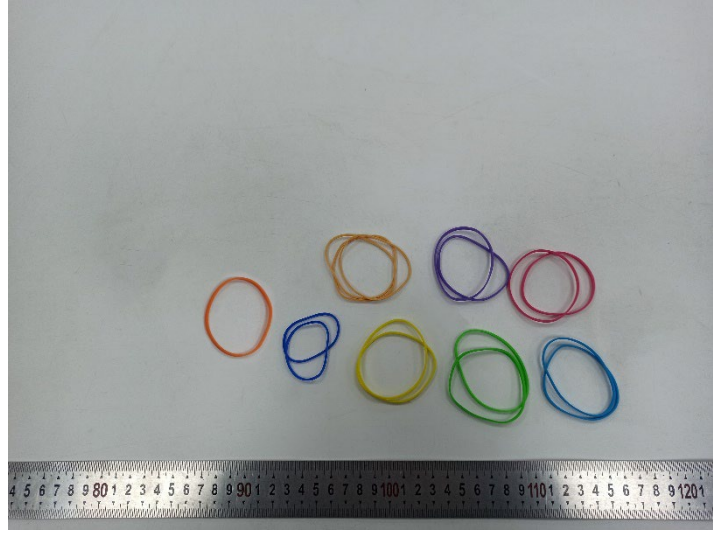


Pictures

Sample photo:



Tested sample



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



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