

Test Report

Number: SHAH01428654

Applicant:

Date: 29 Jan, 2022

Sample Description:

One (1) piece of submitted sample said to be :
 Item Name : Nitrile Gloves
 Item No. : PY001
 Packaging Provided By Applicant : Yes
 Country Of Origin : China
 Date Sample Received : 20 Jan, 2022
 Testing Period : 20 Jan, 2022 To 28 Jan, 2022

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

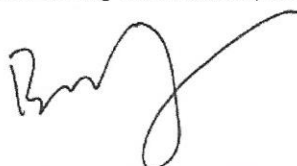
Conclusion:

Tested Sample	Standard	Result
Tested component of submitted sample	LFGB requirement -specific migration of Primary Aromatic Amines on natural and synthetic rubber	Pass
	LFGB requirement -specific migration of formaldehyde on natural and synthetic rubber	Pass
	German food, commodities and feeding act(LFGB) on polycyclic aromatic hydrocarbons (PAHs)	Pass
	LFGB requirement on Nitrosamine Content on Natural and synthetic rubber	Pass
	Total PAHs content	Pass
Tested components of submitted sample	Total lead, cadmium and zinc content	Pass

To be continued

Authorized By:

For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



Test Report

Number: SHAH01428654

Tests Conducted

1 Specific Migration Of Primary Aromatic Amines On Natural And Synthetic Rubber

As per §64 LFGB B80.30-1, B80.30-2 and B80.30-3.

I. Condition of contact in actual use:

(1) Temperature: 40 °C time: 10 minutes

II. Test result:

<u>Food simulant</u>	<u>Result (mg/ kg)</u>	<u>Limit</u>
(B) 3% (w/v) acetic acid	(1) ND	Not Detected

Remark: Detection Limit = 0.01 mg/kg

Tested Component: See component list in the last section of this report.

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.27, 2022

2 Sensory Evaluation

With reference to §64 LFGB I00.90-6.

Test procedure:

Sample was thoroughly rinsed with distilled water and then totally immersed by distilled water. Filled sample was kept at ambient temperature 40 °C for 10 min. Off-odor and off-taste was evaluated with 6 panelists using control sample of distilled water.

	<u>Result</u> (1)	<u>Limit</u>
Appearance	Clear, Colourless	Clear, Colourless
Odor	2	2.5
Taste	2	2.5

Assessment:

Intensity scale:

0 = No perceptible odour / taste

1 = Odour / taste just perceptible (but still difficult to define)

2 = Slight odour / taste

3 = Distinct odour / taste

4 = Strong odour / taste

To be continued



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Tested Component: See component list in the last section of this report.

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.27, 2022

3 Specific Migration Of Formaldehyde On Natural And Synthetic Rubber

As per §64 LFGB B80.30-1, B80.30-2 and B80.30-3.

I. Condition of contact in actual use:

(1) Temperature: 40 °C Time: 10 minutes

II. Test result:

<u>Tested Component</u>	<u>Food simulant</u>	<u>Result (mg/L)</u>	<u>Limit (mg/L)</u>
(1)	3% (w/v) acetic acid	<1	3

Remark: mg/L= milligram per litre

Tested Component: See component list in the last section of this report.

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.27, 2022

To be continued



Test Report

Number: SHAH01428654

Tests Conducted

4 Migration Of Polycyclic Aromatic Hydrocarbons (PAHs)

As per commission regulation (EU) No. 10/ 2011 of 14 January 2011 and its amendments on plastic materials and articles intended to come into contact with food.

I .Test Condition:

Aqueous food simulant:

Temperature: 40 °C Time: 10 minutes

Fatty food simulant:

Temperature: 40 °C Time: 10 minutes

II . Test Results:

Compound	Result mg/kg)			Requirement
	3% (w/v) acetic acid	10% (v/v) ethanol	Fatty food simulant	
Naphthalene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Benzo[a]anthracene	ND	ND	ND	ND
Benzo[b]fluoranthene	ND	ND	ND	ND
Benzo[j]fluoranthene	ND	ND	ND	ND
Benzo[k]fluoranthene	ND	ND	ND	ND
Benzo[a]pyrene	ND	ND	ND	ND
Benzo[e]pyrene	ND	ND	ND	ND
Dibenzo[a,h]anthracene	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	ND	ND	ND	ND
Benzo[ghi]perylene	ND	ND	ND	ND
Sum of pahs	ND	ND	ND	ND

Remarks: ND = Not Detected
Detection Limit = 0.01 mg/kg

Tested Component: See component list in the last section of this report.

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.27, 2022

To be continued



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Number: SHAH01428654

Tests Conducted

5 Nitrosamine Content on Natural and Synthetic Rubber

As per BfR recommendations XXI. Commodities based on Natural and Synthetic Rubber

<u>Food simulant</u>	<u>Result (µg/dm²)</u> (1)	<u>Requirement (µg/dm²)</u>
Distilled Water	<0.5	1.0
3% (w/v) acetic acid	<0.5	1.0
10% (v/v) ethanol	<0.5	1.0

Tested Component: See component list in the last section of this report.

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.27, 2022

6 Polycyclic Aromatic Hydrocarbons (PAHs) content

By solvent extraction and determined by Gas Chromatography - Mass Spectrometry Detector (GC-MSD).

Test results:

<u>Compound</u>	<u>Result (ppm)</u> (1)	<u>Requirement (ppm)</u>
Naphthalene	ND	ND
Acenaphthylene	ND	ND
Acenaphthene	ND	ND
Fluorene	ND	ND
Phenanthrene	ND	ND
Anthracene	ND	ND
Fluoranthene	ND	ND
Pyrene	ND	ND
Chrysene	ND	ND
Benzo[a]anthracene	ND	ND
Benzo[b]fluoranthene	ND	ND
Benzo[k]fluoranthene	ND	ND
Benzo[a]pyrene	ND	ND
Dibenzo[a,h]anthracene	ND	ND
Indeno[1,2,3-cd]pyrene	ND	ND
Benzo[g,h,i]perylene	ND	ND
Benzo[j]fluoranthene	ND	ND
Benzo[e]pyrene	ND	ND
Sum of PAHs	ND	ND

To be continued



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Tests Conducted

Remarks: Detection Limit = 0.2 ppm
ppm = Parts per million = mg/kg
ND = Not Detected

Tested Component: See component list in the last section of this report.

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.24, 2022

7 Total Lead, Cadmium And Zinc Content

By acid digestion and followed by Inductively Coupled Plasma (ICP) Spectrophotometric analysis.

<u>Element</u>	<u>Result (%(w/w))</u> (1)	<u>Requirement (%(w/w))</u>
Lead (Pb)	<0.001	0.003
Cadmium (Cd)	<0.001	0.01
Zinc (Zn)	1.21	3

Tested Component: See component list in the last section of this report.



Picture 1

Date Sample Received: Jan.20, 2022

Testing Period: Jan.20, 2022 to Jan.24, 2022

To be continued

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Tests Conducted
Components List:

(1) Blue plastic glove

End Of Report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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