



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.
třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
TESTING LABORATORY - TESTING DIVISION

Issues

ATTEST
No. 472116392-01

On sample:

Rubber from mixture 8430/V5 7816, beige, category V

Client:

GUMOTEX coating, s.r.o.
Mládežnická 3062/3a, 690 02 Břeclav, Czech Republic
IČ: 07417659

Values obtained and the assessment of the technical parameters:

Evaluated parameters **meet requirements given by the article 3 paragraph 1, the articles 15 and 16 paragraph 2 of the Czech Health Ministry Decree No. 38/2001 Coll., relating to hygienic requirements for the articles intended to come into contact with foodstuffs, as amended, for products from elastomers and materials based on natural and synthetic rubber – category V.**

Category V includes products with the expected short time contact with foodstuffs or a minimum surface area of contact with foodstuffs and which can not be included in categories II to IV.

Evaluation of the sample composition according to article 16 paragraph 1 is not a part of this document.

The evaluated sample **meets requirements of the article 3 of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council** on materials and articles intended to come into contact with food.

This Attest was issued on the basis of the accredited test reports: Ref. No. 472116392-01 from May 31, 2023 and Ref. No. 472112925-01 from January 30, 2020, both documents were issued by Institut pro testování a certifikaci a.s. Zlín.

Date of issue: May 31, 2023
Attest is valid to: May 31, 2026




Dipl. Ing. Jiří Samsoněk, Ph.D.
Head of the testing laboratory

Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



ATTEST
No. 472116392-01

On sample:
Rubber from mixture 8430/V5 7816, beige, category V



Fig. I: Sample No. 472116392/02 supplied for testing



Conditions for use of the Attest and associated information:

1. *The Attest applies only to the sample tested by our laboratory.*
2. *The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.*
3. *If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.*



ATTEST

No. 472116392-01

On sample:
Rubber from mixture 8430/V5 7816, beige, category V

Values obtained:

Parameter	Unit	Value obtained ¹⁾		Uncertainty ²⁾	Limit ³⁾
		The single results	Mean		
Dry residua	mg/dm ²	0,6; 0,6; 0,5; 0,7 ⁴⁾	0,6 ⁴⁾	0,1 ⁴⁾	max. 10
Parameter	Unit	Value obtained ¹⁾		Uncertainty ²⁾	Limit ³⁾
Formaldehyde	mg/dm ²	< 0,1 ⁵⁾		-	0,1
Determination of zinc content in the mass after sample mineralisation					
Zinc content	hm. %	1,39 ⁵⁾		0,29 ⁵⁾	2,0

Notes to the table:

- 1) symbol „<“ means less than limit of quantification (LOQ) of the analytical method
- 2) the reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%
- 3) limit values according to Decree of Health Ministry No. 38/2001 Coll., as amended, annex No. 7
- 4) the test results were taken from the test report No. 472112925-01
- 5) the test results were taken from the test report No. 472116392-01



Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



ATTEST

No. 472116392-01

On sample:

Rubber from mixture 8430/V5 7816, beige, category V

Assessment of organoleptic properties

(the test results were taken from the test report No. 472116392-01)

Food, contact conditions		Overdone drinking water, (40±2) °C/0,5 hour	
assessor No.	unit	odour	flavour
1	level	0	0
2	level	1	1
3	level	1	0
4	level	1,5	1,5
5	level	0	0
6	level	1	1
Mean	level	1	0,5

Notes to the table:

Off-odour and off-taste scale:

0 = No perceptible off-odour or off-taste

1 = Just perceptible off-odour or off-taste (off-odour and off-taste determination is very difficult)

2 = Slightly perceptible off-odour or off-taste

3 = Clearly perceptible off-odour or off-taste

4 = Strong off-odour or off-taste

According to Regulation (EC) No. 1935/2004 of the European Parliament and of the Council the articles shall not cause deterioration in the organoleptic characteristics of food. The product is considered to be suitable for food contact if the levels 0 to 2,5 is achieved.



Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



ATTEST

No. 472116392-01

On sample:

Rubber from mixture 8430/V5 7816, beige, category V

Determination of toxic elements

(the test results were taken from the test report No. 472112925)

Parameter	Unit	Test result ¹⁾	Limit
Pb	mg/kg	< 10	2)
Cd	mg/kg	< 10	2)
Hg	mg/kg	< 10	2)
Cr	mg/kg	< 10	2)
Sb	mg/kg	< 10	2)
As	mg/kg	< 10	2)
Se	mg/kg	< 10	2)

Notes to the table:

- 1) symbol „<“ means less than LOD (limit of detection) of the analytical method
- 2) according to Decree of Health Ministry No. 38/2001 Coll., as amended pigments and fillers shall not contain compounds based on these elements – Pb, Hg, Cd, Cr, Sb, Se and As



Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



Sample identification:

Table I: Sample description and identification

ITC's identification number	Sample identification by client	Description of submitted sample
472116392/02	Rubber from mixture 8430/V5 7816, beige, category V	pieces of rubber beige colour were supplied by the client – see Fig. 1

Sampling method used:

The test sample was collected and supplied to the laboratory by the client. The laboratory is not responsible for this way of sampling.

Work requested:

Evaluation of hygienic properties of the sample according to Decree of Health Ministry No. 38/2001 Coll. *for articles intended into a contact with foodstuffs*, as amended, in compliance with Law of Czech Republic No. 258/2000 Coll. *about protection of the public health*, as amended.

The evaluation of hygienic properties of the sample is based on European legislation in the sense of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council *on materials and articles intended to come into contact with food*.

The client requested the prolongation of the Attest No. 472112925-01 issued by Institut pro testování a certifikaci a.s. Zlín on January 30, 2020. Together with the sample the client supplied the declaration that the manufacturing technology and raw materials has not been changed since the last testing in 2020 (see Declaration of the company GUMOTEX Coating, s.r.o., from April 4, 2023).

The selected parameters – determination of odour and flavour, determination of zinc content in the mass and determination of formaldehyde in the food simulant were tested within the attest prolongation. The test results of other parameters were taken from Test report No. 472112925-01.

Opinions and interpretations:

The evaluated product is intended to contact with food, category V - includes products with the expected short contact time or a minimal surface contact with foodstuffs and which can not be included in categories II to IV.

The requirements for products intended to come into direct contact with foodstuffs are given by Decree of the Health Ministry No. 38/2001 Coll., as amended (hereinafter referred to as Decree 38/2001) and by European Parliament and Council Regulation No. 1935/2004 (hereinafter referred to as Regulation 1935).

General requirements - Decree 38/2001, Regulation 10/2011 and Regulation 1935:

The products intended to come into contact with foodstuffs shall be manufactured so that, under normal or foreseeable conditions of use, they do not transfer their constituents to food in quantities which could endanger human health or bring about an unacceptable change in the composition of the food or bring about a deterioration in the organoleptic characteristics thereof. The performed tests verified that the evaluated samples do not cause a deterioration in the organoleptic characteristics of food (see the table on the page 4 of this attest).

Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.
třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
Testing Laboratory - D2

Attest No. 472116392-01

Requirements for products made of elastomers and materials based on natural and synthetic rubber intended to come into a contact with foodstuffs - Decree 38/2001:

Requirements for products from elastomers and materials based on natural and synthetic rubber are listed in § 15 and § 16 of decree 38/2001.

According to § 15 elastomers and materials based on natural and synthetic rubber are classified into categories I to V. The evaluated product belongs to the category V, which includes products with the expected short contact time or a minimal surface contact with foodstuffs and which can not be included in categories II to IV.

According to the requirements of article 16 paragraph 2 the products made of elastomers and materials based on natural and synthetic rubber of category V shall meet the hygiene requirements given by point 9.3 of Annex No. 7. The obtained values are listed on page 3 of this attest.

Only the compounds listed in the annex No. 7 part A and B can be used for products made of elastomers according to the requirements of article 16 paragraph 1.

Evaluation of sample conformity with article 16 paragraph 1 is not included in this document.

The evaluated product "Rubber from mixture 8430/V5 7816, beige, category V" meets required limits for rubber of category V covering products with the expected short contact time or a minimal surface contact with foodstuffs and which can not be included in categories II to IV.

The opinion expressed and interpretation made by:

MUDr. Beata Janoušková, May 31, 2023.

Conclusion:

The comparison of obtained results with limits of the Decree No. 38/2001 Coll., as amended and of the article 3 of the European Parliament and Council Regulation No. 1935/2004 and evaluation of the conformity with these regulations are mentioned on the page 1 of this attest.

Dipl. Ing. Daniel Vít
Head of the laboratory of analytical chemistry and microbiology

Conditions for use of the Attest and associated information:

- 1. The Attest applies only to the sample tested by our laboratory.*
- 2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.*
- 3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.*