



Public Health Institute, Ostrava
Partyzanske nam. 7, 702 00 Ostrava
Czech Republic

Your ref/nr.:
Dated:
Reference number: ZU/26348/2017
File number: S- ZU/26348/2017
File code: 4.0.3

ELMICH GROUP s.r.o.
U Hrůbků 1570
709 00 Ostrava

Contact person.: Ing. Němcová
Phone Nr.: 596 200 126
Fax:
E-mail: vladimira.nemcova@zuova.cz
Date: 13. 9. 2017

Expert assessment of the product

- Pan Peek linie - lacquer layer (surface Greblon PEEK)

Day 4. 9. 2017 in the laboratory of the Center of hygiene laboratory received a sample labeled: Pan Peek linie - lacquer layer (surface Greblon PEEK). The sample was registered under number **97097/2017**, order no. **29792/2017** to the laboratory system.

Accordance with the provisions of **Regulation (EC) No 1935/2004 of the European Parliament and the Council of 27 October 2004** on materials and articles intended to contact with food and repealing Directives 80/590/EEC and 89/109/EEC, as amended and **Regulation of the Ministry of Health CR No 38/2001Sb.** as amended, was performed, according to the intended application range, testing:

- phenolic compounds
- primary aromatic amines
- formaldehyde
- styrene
- sum of phthalates
- organoleptic properties.

Conclusion:

In the present sample does not occur changes in the organoleptic properties.

The samples (in the range of analysed parameters) meet the requirements of Regulation (EC) No 1935/2004 of the European Parliament and of the Council, as amended and Regulation of the Ministry of Health CR No 38/2001Sb., as amended.

The results are presented in test report no. **50406/2017** which is an integral part of this evaluation.

This declaration relates only to the submitted and conclusions made from its assessment may be applied only to other products of the same type whose composition and properties are identical to the tested sample. This declaration was issued at the producer's request.

RNDr. Šárka Doškářová
Head of Hygienic Laboratories Center

Zdravotní ústav se sídlem v Ústavi
Centrum hygienických laboratoří
Partyzánské nám. 7, 702 00
Telefon: 596 200 167, Fax: 596 118 661

Appendix: Test Report No.: 50406/2017

Distribution:
1x addressee
1x ZÚ

Legal registration Nr.: IC: 71009396
VAT registration Nr.: DIC: CZ71009396

Czech National Bank Ostrava
Account Nr. 3235761/0710

Phone: +420 596 200 111
Fax: +420 596 118 661

www.zuova.cz
podatelna@zuova.cz

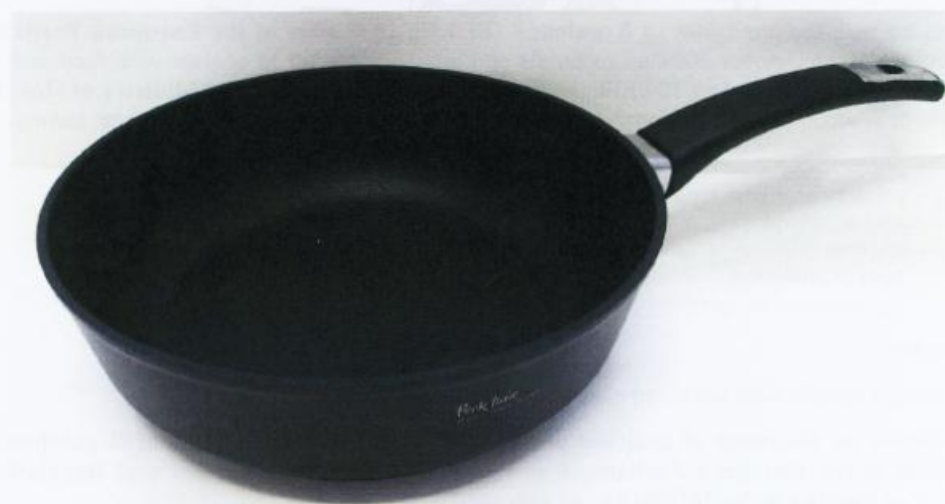


Public Health Institute, Ostrava
Partyzanske nam. 7, 702 00 Ostrava
Czech Republic

Photographic documentation



Sample No. 97097



Peek Linie
Made in Czech Republic



Legal registration Nr.: IC: 71009396
VAT registration Nr.: DIC: CZ71009396

Czech National Bank Ostrava
Account Nr. 3235761/0710

Phone: +420 596 200 111
Fax: +420 596 118 661

www.zuova.cz
podatelna@zuova.cz



Institute of Public Health in Ostrava
Centre of Hygienic Laboratories
CAI Accredited Testing Laboratory No.1393 according to ČSN EN ISO/IEC 17025:2005
Partyzánské náměstí 7, 702 00 Ostrava

TEST REPORT No. 50406/2017

Customer : Elmich Group s.r.o.
U Hrubků 1570
709 00 Ostrava

Set No. : 29792
Sample Received : 4.9.2017 11:00
Sample Analyzed : 4.9.2017 - 8.9.2017
Ref. No. : ZU/26348/2017
File No. : S-ZU/26348/2017
File code : 4.0.3

Sample No. : 97097
Sampling date : Not mentioned **Sampling time:** Not mentioned
Sample name: Pan Peek linie - lacquer layer (surface Greblon PEEK)
Sample amount : 2 ks
Sample Type : Materials in contact with foodstuffs, subject of natural user, toys
Sampled by : Customer
Mode of sampling : Not mentioned
Purpose : on the request customers
Notice : Appendix No.1 is integral part of this test report.

Results - chemical analysis

Parameter	Value	Unit	*Limit	Type	Method used	Uncertainty
Phenolic Compounds	<0,0050	mg/dm ²	max. 0,05	A	SOP OV 046 ²	-
Primary Aromatic Amines	<0,00095	mg/dm ²	max. 0,005	A	SOP OV 603 ²	-
Formaldehyde	<0,014	mg/dm ²	max. 0,1	A	SOP OV 609 ²	-
Styrene	<0,001	mg/dm ²	max. 0,1	A	SOP OV 344 ³	-
Sum of Phthalates	0,050	mg/dm ²	max. 0,2	A	SOP OV 313 ⁵	+35%

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
Taste	simulant: after heating oil, no changes	no changes	A	SOP OV 124 ²
Odour	simulant: after heating oil, no changes	no changes	A	SOP OV 124 ²
Appearance	simulant: viscous fluid, yellow colour, no sediments, no turbidity, no changes sample after exposition: no changes	no changes	A	SOP OV 124 ²

*** Limit:**

Regulation of the Ministry of Health CR No.38/2001Sb. as amended.

Notice to sampling : The sampling itself is not a subject of accreditation.

Notice to analysis :

According to Regulation of the Ministry of Health CR No.38/2001Sb. as amended.

Before analysis the sample was cleaned with detergent and rinsed with distilled water.

Conditions of leaching: 3% acetic acid, for 2 hours at temperature 100±2 °C. Simulant volume of 1500 ml was in contact with area of 632,6 cm².

Sensoric assessment: Sample was filled with simulator of foodstuffs - vegetal oil, heated for 30 minutes at temperature 150±2°C.

Using the method, it was not possible to determine compounds with an -NH₂ group in this simulant.

Sum of Phthalates: di-n-butyl phthalate, benzyl butyl phthalate, di-(2-ethylhexyl) phthalate, di-n-octyl phthalate, diisononyl phthalate, diisodecyl phthalate.

Expertise :

The sample (in the range of analysed parameters) meets the requirements of Regulation (EC) No 1935/2004 of the European Parliament and of the Council and Regulation of the Ministry of Health ČR No. 38/2001Sb. as amended.

Method specification :

SOP OV 046 (ČSN ISO 6439)
SOP OV 124 (ČSN ISO 6658, ČSN 58 0120, AHEM 24/1986 , AHEM 13/1982)
SOP OV 313 (ČSN EN ISO 18856)
SOP OV 344 (ČSN EN ISO 15680, ČSN EN ISO 10301)
SOP OV 603 (ČSN 62 1156)
SOP OV 609 (AHEM 32/1976, ČSN EN ISO 14184-1)

Laboratory workplace :

⁽¹⁾ - Analyses performed at Ostrava (Partyzánské nám. 7, 702 00 Ostrava)
⁽²⁾ - Analyses performed at Karviná (Těřeškovové 2206, 734 01 Karviná-Mizerov)
⁽³⁾ - Analyses performed at Olomouc (Wolkerova 6, 779 11 Olomouc)

Methods in TYPE column: "A" accredited test

< - the result is below the detection limit, > - the result is higher than the value presented
Results deal with tested samples only.

Without a written consent of the laboratory, this Report can be reproduced only complete.

These expanded uncertainties of measurement are obtained by multiplying of standard uncertainty of measurement by extending coefficient k=2 (for confidence level 95%). Uncertainty of sampling not included.

Head of Hygienic Laboratories Center : Doškářová Šárka, RNDr.


Checked by : Kohutová Hana, Ing., Ph.D.

Completed by : Kohutová Hana, Ing., Ph.D.

Number of pages : 2

Date : 13.9.2017




Ing. Vladimíra Němcová
Head of Department of Inorganic Analyses

BATCH NO. : 29792/2017

APPENDIX NO. 1 OF TEST REPORT NO. 50406/2017



Sample No. 97097



BATCH NO. : 29792/2017

