



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. 30499/2016

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

Set No. : 16587
Sample Received : 16.5.2016 13:00
Sample Analyzed : 16.5.2016 - 9.6.2016
Ref. No. : ZU/15339/2016
File No. : S-ZU/15339/2016
File code : 4.0.3

Sample No. :	51122	Sampling time:	Not mentioned
Sampling date :	Not mentioned	Sample name:	Stainless steel thermos
Sample Type :	Materials in contact with foodstuffs, subject of natural user, toys	Sampled by :	Customer
Mode of sampling :	Not mentioned	Notice :	Appendix No.1 is integral part of this test report

Results - chemical analysis

Parameter	Value	Unit	*Limit	Type	Method used	Uncertainty
Steel purity	see Appendix	see Appendix	-	SA	QI-VTC.10 GEN-0001	-

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
Taste	simulant: acetatic, no changes	no changes	A	SOP OV 124 ²
Apperance	simulant : clear colourless liquid, no sediments, no changes Sample after exposition: no changes	no changes	A	SOP OV 124 ²
Odour	simulant: no foreign odour, no changes	no changes	A	SOP OV 124 ²

Indicators which are marked "!" are off limit.

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

Notice to analysis :

Steel purity determined in the sample Stainless steel thermos MODEL NO: 5196 (ITEM NO: 224 51 96) and MODEL NO: 6386 (ITEM NO: 224 63 86).

Before analysis the sample was rinsed with distilled water.

Sensoric assessment: Sample was filled with hot simulator of foodstuffs - 0,2% citric acid, continue for 24hours at temperature 23±2°C. Analysis was performed repeatedly (3x consecutive). 3. leaching (III.interval) was evaluated.

*According to Annex No.8 of Regulation of the Ministry of Health ČR No. 38/2001Sb. as amended. - stainless steel may contain up to 21% chromium, 14% nickel and 10.5% manganese.

Sample No. :	51123	
Sampling date :	Not mentioned	Sampling time: Not mentioned
Sample name:	Stainless steel thermos / black plast	
Sample Type :	Materials in contact with foodstuffs, subject of natural user, toys	
Sampled by :	Customer	
Mode of sampling :	Not mentioned	
Notice :	Appendix No.1 is integral part of this test report	

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
Material identification FTIR	The Analysis of the sample proved the presence of the polypropylene.		A	SOP OV 357 ³

Indicators which are marked "!" are off limit.

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

Sample No. :	51125	
Sampling date :	Not mentioned	Sampling time: Not mentioned
Sample name:	Stainless steel thermos / white plast	
Sample Type :	Materials in contact with foodstuffs, subject of natural user, toys	
Sampled by :	Customer	
Mode of sampling :	Not mentioned	
Notice :	Appendix No.1 is integral part of this test report	

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
Material identification FTIR	The Analysis of the sample proved the presence of the poly (acrylonitrile - butadiene - styrene).		A	SOP OV 357 ³

Indicators which are marked "!" are off limit.

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

Sample No. :	51127	
Sampling date :	Not mentioned	Sampling time: Not mentioned
Sample name:	Stainless steel thermos / blue plast	
Sample Type :	Materials in contact with foodstuffs, subject of natural user, toys	
Sampled by :	Customer	
Mode of sampling :	Not mentioned	
Notice :	Appendix No.1 is integral part of this test report	

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
Material identification FTIR	The Analysis of the sample proved the presence of the polypropylene.		A	SOP OV 357 ³

Indicators which are marked "!" are off limit.

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

Sample No. :	51129	
Sampling date :	Not mentioned	Sampling time: Not mentioned
Sample name:	Stainless steel thermos / seal	
Sample Type :	Materials in contact with foodstuffs, subject of natural user, toys	
Sampled by :	Customer	
Mode of sampling :	Not mentioned	
Notice :	Appendix No.1 is integral part of this test report	

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
Material identification FTIR	The Analysis of the sample proved the presence of the silicone.		A	SOP OV 357 ³

Indicators which are marked "!" are off limit.

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

Sample No. :	51130	
Sampling date :	Not mentioned	Sampling time: Not mentioned
Sample name:	Stainless steel thermos / seal	
Sample Type :	Materials in contact with foodstuffs, subject of natural user, toys	
Sampled by :	Customer	
Mode of sampling :	Not mentioned	
Notice :	Appendix No.1 is integral part of this test report	

Results - chemical analysis

Parameter	Value	Unit	*Limit	Type	Method used	Uncertainty
Evaporation residue	<1,00	mg/dm ²	max. 10	A	SOP OV 606.02 ²	-
Oxidizable substances	<0.003	mg/100ml	max. 0.5	N	SOP OV 606 ²	-

*** Limit:**

Regulation of the Ministry of Health ČR No. 38/2001Sb. as amended
Indicators which are marked "!" are off limit.

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: paragraph 9.4., Appendix No. 7.

Expertise :

The samples (in the range of analysed parameters) does not meet the requirements of Regulation of the Ministry of Health ČR No. 38/2001Sb. as amended in the parameter content of manganese for purity stainless steel.

Method specification :

SOP OV 124 (ČSN ISO 6658, ČSN 58 0120, AHEM 24/1986 , AHEM 13/1982)
SOP OV 357 (Apl. list NICOLET)
SOP OV 606.02 (ČSN 62 1156)
SOP OV 606 (ČSN 62 1156)

Laboratory workplace :

⁽²⁾ - Analyses performed at Ostrava (Partyzánské nám. 7, 702 00 Ostrava)
⁽³⁾ - Analyses performed at Karviná (Těřeškovové 2206, 734 01 Karviná-Mizerov)

Methods in TYPE column: "N" non-accredited test,"A" accredited test,"SA" accredited subdelivery

< - 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.

Completed by : Kohutová Hana, Ing.

Number of pages : 4

Date : 9.6.2016



Ing. Vladimíra Němcová
Head of Department of Inorganic Analyses

APPENDIX NO. 1 OF TEST REPORT NO. 30499/2016



Sample No. 51122

CZ Nerezová termoska 500ml

Instrukce k použití TERMOSKY

Termoska slouží pro přechovávání teplých či studených nápojů, termoska se nesmí používat k jiným účelům než je určena.

Velice jednoduchým způsobem je umožněno otevření (obr.1) či zavření (obr.2) bez rizika opaření nápojem. Po každém použití termosku řádně vymyjte a vysušte.



INSTITUTE OF PUBLIC HEALTH OSTRAVA
CENTRE OF HYGIENIC LABORATORIES
CIA ACCREDITED TESTING LABORATORY NO. 1393
BY ČSN EN ISO/IEC 17025 : 2005
PARTYZÁNSKÉ NÁMĚSTÍ 7, 702 00 OSTRAVA

BATCH NO.: 16587/2016



ITEM NO: 224 52 01



elmich
BERLIN - PARIS - PRAGUE - ROME
Elmich Germany GmbH
www.elmichgroup.eu



ITEM NO: 224 63 91



elmich
BERLIN - PARIS - PRAGUE - ROME
Elmich Germany GmbH
www.elmichgroup.eu



ITEM NO: 224 51 96

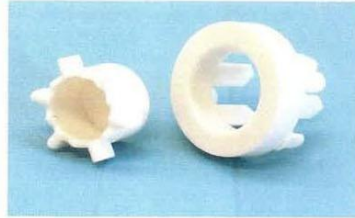


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Sample No. 51123



Sample No. 51125



Sample No. 51127



Sample No. 51129 - 51130