

DEKLARACJA ZGODNOŚCI WE
EC DECLARATION OF CONFORMITY

My / We LAVA GROUP S.C./ Reiter Polska Sp. z o.o.
(nazwa producenta/ manufacturer's name)

Ul. Eugeniusza Romera 4B, 02-784 Warszawa
(adres producenta / manufacturer's address)

niniejszym deklarujemy, że następujący wyrób:
declare, under our responsibility, that the electrical product:

Kubek termiczny HDB01 / thermal mug
(nazwa wyrobu / name of the article) (typ wyrobu / type or model)

Spełnia wymagania następujących norm:
to which this declaration relates is in conformity with the following standards:

DIN 10955: 2004-06;
EN 1186-1: 2002;
EN 1186-3;
EN 13130-1: 2004;
European Pharmacopeia 5.0, Ph. Eur. Method 2.5.5.;
(numer i data wydania normy / title, number and date of issue of the standards)

oraz jest zgodny z postanowieniami następujących rozporządzeń (dyrektyw):
(following the provisions of):

The EC 1935/2004
The EU 10/2011
The (LFGB), Section 30 and 31
Rozporządzenie Komisji (WE) nr 2023/2006

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Warszawa dnia 04.01.2023r.

TEST REPORT

Applicant:

Number:

Date: Sep 13, 2022

Submitted sample said to be
Item Name
PO No.

:
: **Accenture Bamboo Insulated Thermal Bottle**
: **Test# 5089927, 5089984, 5089845,**
: **PO# 5089919 SO# 8073691,**
: **PO# 5089976 SO# 7713540,**
: **PO# 5089837 SO# 7713416**

Quantity
Additional Material Provided
Supplier
Country of Origin

: 6 bottles
: Yes
:
: China



For and on behalf of :
Intertek Testing Services HK Ltd.

Cindy I.K. Chan
Vice President

TEST REPORT

Number :

Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

Requirement	Result
(1) Council of Europe Resolution CM/Res (2013) 9 on Metals and Alloys used in Food Contact Materials and Articles - Migration of Metal Content	Pass
(2) European Commission Regulation No. 10/2011 and Regulation No. 2016/1416, Regulation No. 2020/1245 and Regulation No. 1935/2004 - Overall migration	Pass
(3) European Commission Regulation No.10/2011 Annex II, Regulation No.2016/1416, Regulation No. 2017/752, Regulation No. 2020/1245 and Regulation No.1935/2004 - Specific Migration of Heavy Metal	Pass
(4) French Law 2012-1442 - Bisphenol A content	See details enclosed
(5) European Commission Regulation No. 10/2011 Annex II, Regulation No. 2016/1416, Regulation No. 2020/1245 and Regulation No. 1935/2004 - Specific Migration of Primary Aromatic Amines	Pass
(6) U.S. F.D.A. Regulation 21 CFR Part 177.1520 Clauses (c)(1.1a and 1.1b) - Polypropylene	Pass
(7) U.S. F.D.A. Regulation 21 CFR Part 177.1210 Clause (c) - Chloroform Soluble Extractive on Closures with Sealing Gaskets for Food Containers	Pass
(8) FDA Generally Recognized As Safe (GRAS) - Total Chromium (Cr) Testing for stainless steel	Pass
(9) FDA Generally Recognized As Safe (GRAS) - Total Chromium (Cr) Testing for stainless steel	See details enclosed
(10) FDA Generally Recognized As Safe (GRAS) on Stainless Steel	Pass

Conclusion:

According to the test results, the tested components of the submitted sample met the requirements of the following tested parameters under §30 and §31 LFGB :

<u>Tested parameters</u>	<u>Result</u>
Sensory test	Pass
Polycyclic aromatic hydrocarbons content	Pass

Decision Rule(s):

Decision Rule(s): When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc..>

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

Number : 000000000000

Test method: Council of Europe Resolution CM/Res (2013) 9 on Metals and Alloys used in Food Contact Materials and Articles

Element	Results obtained from sum of 1 st & 2 nd migration in mg/kg		Limit in mg/kg
	(1)	(2)	
Aluminium (Al)	< 0.1	0.2	35
Antimony (Sb)	< 0.01	< 0.01	0.28
Arsenic (As)	< 0.001	< 0.001	0.014
Barium (Ba)	< 0.1	< 0.1	8.4
Beryllium (Be)	< 0.001	< 0.001	0.07
Cadmium (Cd)	< 0.001	< 0.001	0.035
Chromium (Cr)	0.3	0.3	1.75
Cobalt (Co)	< 0.01	0.02	0.14
Copper (Cu)	< 0.1	< 0.1	28
Iron (Fe)	< 5	15	280
Lead (Pb)	< 0.01	< 0.01	0.07
Lithium (Li)	< 0.02	< 0.02	0.336
Manganese (Mn)	< 0.1	2.0	12.6
Mercury (Hg)	< 0.001	< 0.001	0.021
Molybdenum (Mo)	< 0.01	< 0.01	0.84
Nickel (Ni)	0.12	0.10	0.98
Silver (Ag)	< 0.02	< 0.02	0.56
Thallium (Tl)	< 0.0001	< 0.0001	0.0007
Tin (Sn)	< 5	< 5	700
Vanadium (V)	< 0.005	< 0.005	0.07
Zinc (Zn)	< 1	< 1	35

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Number : **190202010014**

Element	Result obtained from 3 rd migration in mg/kg		Limit in mg/kg
	(1)	(2)	
Aluminium (Al)	< 0.1	< 0.1	5
Antimony (Sb)	< 0.01	< 0.01	0.04
Arsenic (As)	< 0.001	< 0.001	0.002
Barium (Ba)	< 0.1	< 0.1	1.2
Beryllium (Be)	< 0.001	< 0.001	0.01
Cadmium (Cd)	< 0.001	< 0.001	0.005
Chromium (Cr)	0.14	0.17	0.250
Cobalt (Co)	< 0.01	< 0.01	0.02
Copper (Cu)	< 0.1	< 0.1	4
Iron (Fe)	< 5	6	40
Lead (Pb)	< 0.01	< 0.01	0.010
Lithium (Li)	< 0.02	< 0.02	0.048
Manganese (Mn)	< 0.1	0.7	1.8
Mercury (Hg)	< 0.001	< 0.001	0.003
Molybdenum (Mo)	< 0.01	< 0.01	0.12
Nickel (Ni)	0.07	0.04	0.14
Silver (Ag)	< 0.02	< 0.02	0.08
Thallium (Tl)	< 0.0001	< 0.0001	0.0001
Tin (Sn)	< 5	< 5	100
Vanadium (V)	< 0.005	< 0.005	0.01
Zinc (Zn)	< 1	< 1	5

Component no.	Component description	Location	Material type provided by client
1.	Shiny metal	Inner of bottle	Stainless steel
2.	Shiny metal	Tea holder	Stainless steel

Date sample received : Aug 12, 2022
Testing period : Aug 12, 2022 to Sep 07, 2022

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TEST REPORT

Number : **19024000000000000000**

(2) Overall Migration

Test standard : Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition :

Aqueous food simulant	
Time	Temperature
1 hour	100 °C or reflux

Fatty food simulant	
Time	Temperature
1 hour	100 °C

II. Test result :

Tested component	Migration	Result mg/dm ²		
		3% (w/v) acetic acid	10% (v/v) ethanol	Fatty food simulant
(1)	1 st	<3	<3	<3
	2 nd	<3	<3	<3
	3 rd	<3	<3	<3
(2)	1 st	<3	<3	<3
	2 nd	<3	<3	<3
	3 rd	<3	<3	<3
Limit mg/dm ²		10	10	10

Component no.	Component description	Location	Material type provided by client
1.	White plastic	Inner of lid	PP Homopolymer
2.	Translucent soft plastic	Sealing gasket	Silicone

Date sample received : Aug 12, 2022 and Aug 25, 2022
Testing period : Aug 12, 2022 to Sep 07, 2022

TEST REPORT

Number : **18010000000000000000**

(3) Specific Migration of Heavy Metal

Test standard : Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition :

Aqueous food simulant	
Time	Temperature
24 hours	100 °C

II. Test Results :

Food simulant: 3% (w/v) acetic acid				
Element	Result in mg/kg			Limit in mg/kg
	(1)			
	1 st migration	2 nd migration	3 rd migration	
Aluminium (Al)	<0.1	<0.1	<0.1	1
Antimony (Sb)	<0.01	<0.01	<0.01	0.04
Arsenic (As)	<0.01	<0.01	<0.01	ND (0.01)
Barium (Ba)	<0.1	<0.1	<0.1	1
Cadmium (Cd)	<0.002	<0.002	<0.002	ND (0.002)
Chromium (Cr)	<0.01	<0.01	<0.01	ND (0.01)
Cobalt (Co)	<0.03	<0.03	<0.03	0.05
Copper (Cu)	<1	<1	<1	5
Europium (Eu)	<0.01	<0.01	<0.01	0.05
Gadolinium (Gd)	<0.01	<0.01	<0.01	0.05
Iron (Fe)	<5	<5	<5	48
Lanthanum (La)	<0.01	<0.01	<0.01	0.05
Lead (Pb)	<0.01	<0.01	<0.01	ND (0.01)
Lithium (Li)	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	<0.1	<0.1	<0.1	0.6
Mercury (Hg)	<0.01	<0.01	<0.01	ND (0.01)
Nickel (Ni)	<0.005	<0.005	<0.005	0.02
Terbium (Tb)	<0.01	<0.01	<0.01	0.05
Zinc (Zn)	< 1	< 1	< 1	5
Sum of Europium, Gadolinium, Lanthanum and Terbium	<0.01	<0.01	<0.01	0.05

TEST REPORT

Number : 

Food simulant: 3% (w/v) acetic acid				
Element	Result in mg/kg			Limit in mg/kg
	(2)			
	1 st migration	2 nd migration	3 rd migration	
Aluminium (Al)	<0.1	<0.1	<0.1	1
Antimony (Sb)	<0.01	<0.01	<0.01	0.04
Arsenic (As)	<0.01	<0.01	<0.01	ND (0.01)
Barium (Ba)	<0.1	<0.1	<0.1	1
Cadmium (Cd)	<0.002	<0.002	<0.002	ND (0.002)
Chromium (Cr)	<0.01	<0.01	<0.01	ND (0.01)
Cobalt (Co)	<0.03	<0.03	<0.03	0.05
Copper (Cu)	<1	<1	<1	5
Europium (Eu)	<0.01	<0.01	<0.01	0.05
Gadolinium (Gd)	<0.01	<0.01	<0.01	0.05
Iron (Fe)	<5	<5	<5	48
Lanthanum (La)	<0.01	<0.01	<0.01	0.05
Lead (Pb)	<0.01	<0.01	<0.01	ND (0.01)
Lithium (Li)	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	<0.1	<0.1	<0.1	0.6
Mercury (Hg)	<0.01	<0.01	<0.01	ND (0.01)
Nickel (Ni)	<0.005	<0.005	<0.005	0.02
Terbium (Tb)	<0.01	<0.01	<0.01	0.05
Zinc (Zn)	< 1	< 1	< 1	5
Sum of Europium, Gadolinium, Lanthanum and Terbium	<0.01	<0.01	<0.01	0.05

Remark :
ND = Not detected

Component no.	Component description	Location	Material type provided by client
1.	White plastic	Inner of lid	PP Homopolymer
2.	Translucent soft plastic	Sealing gasket	Silicone

Date sample received : Aug 12, 2022 and Aug 25, 2022
Testing period :Aug 12, 2022 to Sep 07, 2022

TEST REPORT

Number : 

(4) Bisphenol A Content (French Law 2012-1442)

Test Method : By Solvent Extraction and followed by High Performance Liquid Chromatographic (HPLC) analysis.

Tested Component	Result in mg/kg
(1/2)	<0.1

Detection limit = 0.1 mg/kg

mg/kg = milligram per kilogram

Tested Components:

- (1) White plastic (inner of lid).
- (2) Translucent plastic (sealing gasket).

Date sample received : Aug 12, 2022

Test Period : Aug 12, 2022 to Aug 16, 2022

TEST REPORT

Number : **XXXXXXXXXXXX**

(5) Specific Migration of Primary Aromatic Amines

Test standard : Commission Regulation (EU) No. 10/2011 and its amendments and JRC Technical Guidelines EN24815 EN2011, By Liquid Chromatograph - Tandem Mass Spectrometry (LC-MS/MS) Analysis.

I. Test condition :

3% (w/v) Acetic acid	
Time	Temperature
24 hours	100 °C

II. Test result :

Compound		Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg)
		(1)				
		1 st migration	2 nd migration	3 rd migration		
4-Aminodiphenyl	92-67-1	ND	ND	ND	0.002	ND
Benzidine	92-87-5	ND	ND	ND	0.002	ND
4-Chloro-o-toluidine	95-69-2	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
o-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	0.002	ND
p-Chloroaniline	106-47-8	ND	ND	ND	0.002	ND
2,4-Diaminoanisole	615-05-4	ND	ND	ND	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	ND
3,3'-Dimethyl-4,4'-diamino diphenylmethane	838-88-0	ND	ND	ND	0.002	ND
p-Cresidine	120-71-8	ND	ND	ND	0.002	ND
4,4'-Methylene-bis (2-chloroaniline)	101-14-4	ND	ND	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	ND
o-Toluidine	95-53-4	ND	ND	ND	0.002	ND
2,4-Toluylenediamine	95-80-7	ND	ND	ND	0.002	ND
2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
o-Anisidine	90-04-0	ND	ND	ND	0.002	ND
4-Aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND
m-Phenylendiamine	108-45-2	ND	ND	ND	0.002	ND
Benzoguanamin	91-76-9	ND	ND	ND	0.05	5
4,4'-Methylenebis(3-chloro-2,6-diethylaniline)	106246-33-7	ND	ND	ND	0.05	0.05
Total of other primary aromatic amines	/	ND	ND	ND	0.010	0.010



TEST REPORT

Number : **19030000000000000000**

Other primary aromatic amines as listed in appendix 1 are included in the analysis.

Appendix 1: List of Other Primary Aromatic Amines	
p-phenylenediamine	106-50-3
Aniline	62-53-3
2,4-xylidine	95-68-1
2,6-xylidine	87-62-7
3-Methoxyaniline	536-90-3
2,6-toluenediamine	823-40-5
1,5-diaminonaphthalene	2243-62-1
4-ethoxyaniline	156-43-4
3-amino-4-methoxybenzanilide	120-35-4
3-amino-4-methylbenzamide	19406-86-1
2-amino-5-methylbenzoic acid	2941-78-8
1-Amino-2-naphthol	2834-92-6
4-Chloro-2-nitroaniline	89-63-4
2-Aminobenzoic acid butyl ester	7756-96-9
2,4,5-Trichloroaniline	636-30-6
2,4-Dichloroaniline	554-00-7
5-Chloro-o-toluidine	95-79-4
o-Phenylenediamine	95-54-5
m-Chloroaniline	108-42-9
o-Chloroaniline	95-51-2
m-Toluidine	108-44-1
p-Toluidine	106-49-0
2-Methoxy-4-nitroaniline	97-52-9
2-Ethoxyaniline	94-70-2
5-Chloro-2-methoxyaniline	95-03-4
4-Chloro-3-methoxyaniline	13726-14-2
5-Amino-6-methyl-1,3-dihydrobenzoimidazol-2-one	67014-36-2
p-Aminobenzamide	2835-68-9
2,5-Dichloroaniline	95-82-9
2-Chloro-4-nitroaniline	121-87-9
2,5-Dimethoxy-4-chloroaniline	6358-64-1
2,4-Dinitroaniline	97-02-9
4-Aminotoluene-3-sulfonic acid	88-44-8
2-Aminobiphenyl	90-41-5
Dimethyl-2-aminoterephthalate	5372-81-6
2-Amino-1-naphthalenesulfonic acid	81-16-3
2-Methyl-4-nitroaniline	99-52-5
2-Nitroaniline	88-74-4

TEST REPORT

Number : 

Component no.	Component description	Location	Material type provided by client
1.	White plastic	Inner of lid	PP Homopolymer
2.	Translucent soft plastic	Sealing gasket	Silicone

Date sample received : Aug 12, 2022 and Aug 25, 2022

Testing period : Aug 12, 2022 to Sep 07, 2022

(6) Test for F.D.A. Regulation on Polypropylene

Test Method : U.S.Food and Drug Administration 21 CFR Part 177.1520 Clauses (c)(1.1a and 1.1b) and (d).

Test item	Result	Limit
	(1)	
Density	Complied	0.880 - 0.913
Melting point, °C	169	160 - 180 (1.1a) 150 - 180 (1.1b)
Maximum extractable fraction in n-hexane, % (w/w)	<1.0	6.4
Maximum extractable fraction in xylene, % (w/w)	<1.0	9.8

Component no.	Component description	Location	Material type provided by client
1.	White plastic	Inner of lid	PP Homopolymer

Date sample received : Aug 12, 2022 and Aug 25, 2022

Testing period : Aug 12, 2022 to Sep 07, 2022

TEST REPORT

Number : **19020400010214**

(7) Test for F.D.A. Regulation on Closures with Sealing Gaskets for Food Containers

Test Standard : U.S. Food and Drug Administration 21 CFR Part 177.1210, Clause (c).

I. Condition of use :

Hot filled or pasteurized above 150°F (65.6°C).

II. Test result :

Test item	Result in ppm	Limit in ppm
	(1)	
Chloroform soluble extractive in water	<20	50

Component no.	Component description	Location	Material type provided by client
1.	Translucent soft plastic	Sealing gasket	Silicone

Date sample received : Aug 12, 2022

Testing period : Aug 12, 2022 to Sep 07, 2022

(8) Total Chromium (Cr) Testing

Test Method : Acid digestion and total Chromium was Analysed by Inductively Coupled Plasma (ICP) Spectrophotometric Analysis.

Tested Component	Result in % (w/w)	Limit in % (w/w)
(1)	18.2	16.00 (min.)

Remark :

min. = minimum

Tested component :

(1) Silver color metal (inner of bottle).

Date sample received : Aug 12, 2022

Testing period : Aug 12, 2022 to Aug 18, 2022

TEST REPORT

Number : **19020000000000000000**

(9) Total Chromium (Cr) Testing

Test Method : Acid digestion and total Chromium was Analysed by Inductively Coupled Plasma (ICP) Spectrophotometric Analysis.

Tested Component	Result in % (w/w)
(1)	13.1

Remark :
min. = Minimum

Tested component :

(1) Silver color metal (tea holder).

Date sample received : Aug 12, 2022
Testing period : Aug 12, 2022 to Aug 18, 2022

(10) Leachable Arsenic (As), Cadmium (Cd), Lead (Pb) & Mercury (Hg) Content

Test method: By acid extraction and followed by Inductively Coupled Argon Plasma Spectrometry analysis.

Tested component	Result			
	As	Cd	Pb	Hg
(1)	ND	ND	ND	ND

Remark : ND = Not detected
Detection limit :
As = 0.1 mg/l
Cd = 0.1 mg/l
Pb = 0.1 mg/l
Hg = 0.1 mg/l

Component no.	Component description	Location	Material type provided by client
1.	Shiny metal	Tea holder	Stainless steel

Date sample received : Aug 12, 2022
Testing period : Aug 12, 2022 to Sep 07, 2022

TEST REPORT

Number : **19020400010214**

(11) Sensory Evaluation

Test Standard : §64 LFGB L00.90-6.

Test Procedure:

Sample was thoroughly rinsed with distilled water before proceeding to the test. Distilled water at boiling temperature was filled to its capacity, closed with lid and kept for 24 hours. Off-odour and off-taste was evaluated with 6 panelists using control sample of distilled water.

Tested component	Result (Intensity scale)	
	Odour	Taste
(1)	0	0
Limit (Intensity scale)	2.5	2.5

Intensity Scale: 0= no aberration, neutral
1= very slight deterioration, barely perceivable
2= slight deterioration
3= significant deterioration
4= strong deterioration

Component no.	Component description
1.	Accenture bamboo insulated thermal bottle

Date sample received : Aug 12, 2022 and Aug 25, 2022
Testing period :Aug 12, 2022 to Sep 07, 2022



TEST REPORT

Number : XXXXXXXXXX

(12) Polycyclic Aromatic Hydrocarbons (PAHs) Content

Test method: Solvent extraction and determined by Gas Chromatographic - Mass Spectrometric Detector (GC-MSD).

Test Results:

Compound	Result (ppm)	
	(1)	(2)
Naphthalene	<0.20	<0.20
Acenaphthylene	<0.20	<0.20
Acenaphthene	<0.20	<0.20
Fluorene	<0.20	<0.20
Phenanthrene	<0.20	<0.20
Anthracene	<0.20	<0.20
Fluoranthene	<0.20	<0.20
Pyrene	<0.20	<0.20
Chrysene	<0.20	<0.20
Benzo[a]anthracene	<0.20	<0.20
Benzo[b]fluoranthene	<0.20	<0.20
Benzo[j]fluoranthene	<0.20	<0.20
Benzo[k]fluoranthene	<0.20	<0.20
Benzo[a]pyrene	<0.20	<0.20
Benzo[e]pyrene	<0.20	<0.20
Dibenzo[a,h]anthracene	<0.20	<0.20
Indeno[1,2,3-c,d]pyrene	<0.20	<0.20
Benzo[g,h,i]perylene	<0.20	<0.20
Sum of PAHs	<0.20	<0.20

Remark : ppm = parts per million = mg/kg

Tested Components :

- (1) White plastic (inner of lid) .
- (2) Translucent plastic (sealing gasket) .

Date sample received : Aug 12, 2022

Testing period : Aug 12, 2022 to Aug 16, 2022

End of report

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