

DEKRA Automobil GmbH Handwerkstr. 17 D-70565 Stuttgart

Karl Beckmann GmbH  
Mr. Sebastian Hübert  
Grambartstr. 24 - 26  
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**DEKRA Automobil GmbH**

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Date Dec 29, 2022  
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## Test Report

**Order No.:** 55277291

**Test Report No.:** PB2232774

**Version 1**

Client: Karl Beckmann GmbH  
Mr. Sebastian Hübert  
Grambartstr. 24 - 26  
30165 Hannover

Date of order: 01.12.2022

Sample receipt: 08.12.2022

Sample number: 1

Sample description: Stainless Steel Barbecue Grate for Garden chimney

Scope of investigation: Testing of food contact materials and articles

Result: **PASS**

Testing period: 08.12.2022 – 29.12.2022

**Test result:**

- see following pages -

Accredited Analytical Laboratory D-PL-11060-03-00 in Stuttgart and Halle (Saale)

**Sample photos:**

*55277291 – 001 Stainless Steel Barbecue Grate for Garden chimney*

LQ: Limit of quantification

Worked out:  
Person in charge:

DEKRA Automobil GmbH – Handwerkstr. 17 – 70565 Stuttgart  
Maja Kim Matusiak Phone 0711/ 7861-3519

**Test results:****1) Sensorical test:**

<b>Sample No.:</b>	55277291 – 001			
<b>Sample designation:</b>	Stainless Steel Barbecue Grate for Garden chimney			
<b>Method:</b>	DIN 10955:2004-06 <sup>a</sup>			
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>LG</b>	<b>Limit</b>
<b>Sensorical test <sup>1,2</sup></b>				
Smell	-	0	-	< 3
Taste	-	0	-	

<sup>1</sup> Test conditions: Zucchini, 15 minutes, 150 °C

<sup>2</sup> Scale of intensity:

- 0 = no noticeable change of smell and taste
- 1 = marginal change of smell and taste
- 2 = slight change of smell and taste
- 3 = clear change of smell and taste
- 4 = strong change of smell and taste

The sensorical test determined no noticeable change of smell and taste (Level 0).

According to article 3 subsection 1 c of the regulation (EC) 1935/2004 materials and articles shall be manufactured in compliance with good manufacturing practise so that, under normal or foreseeable conditions of use, they do not transfer their constituents to food in quantities which could bring about a deterioration in the organoleptic characteristics thereof.

The tested sample does meet this requirement.

LQ: Limit of quantification

## 2) Metal release:

<b>Sample No.:</b>	55277291 – 001					
<b>Sample designation:</b>	Stainless Steel Barbecue Grate for Garden chimney					
<b>Method:</b>	CM/Res (2013)9 / DIN EN ISO 17294-2:2017-01 <sup>a</sup>					
Parameter	Unit	Result			LG	Limit
		1 <sup>st</sup> migrate	2 <sup>nd</sup> migrate	3 <sup>rd</sup> migrate		
<b>Metal release</b> <sup>1, 2, 3</sup>						
Barium (Ba)	µg/l	< LG	< LG	< LG	10	1.200
Arsenic (As)	µg/l	< LG	< LG	< LG	0,1	2
Iron (Fe)	µg/l	< LG	< LG	< LG	10	40.000
Lead (Pb)	µg/l	< LG	< LG	< LG	1	10
Cadmium (Cd)	µg/l	< LG	< LG	< LG	0,1	5
Cobalt (Co)	µg/l	< LG	< LG	< LG	1	20
Chromium (Cr)	µg/l	< LG	< LG	< LG	10	250
Copper (Cu)	µg/l	< LG	< LG	< LG	10	4.000
Manganese (Mn)	µg/l	< LG	< LG	< LG	10	1.800
Nickel (Ni)	µg/l	< LG	< LG	< LG	1	140
Lithium (Li)	µg/l	< LG	< LG	< LG	1	48
Aluminium (Al)	µg/l	30	< LG	< LG	10	5.000
Silver (Ag)	µg/l	< LG	< LG	< LG	10	80
Zinc (Zn)	µg/l	< LG	< LG	< LG	10	5.000
Tin (Sn)	µg/l	< LG	< LG	< LG	10	100.000
Antimony (Sb)	µg/l	< LG	< LG	< LG	1	40
Molydenum (Mo)	µg/l	< LG	< LG	< LG	10	120
Vanadium (V)	µg/l	< LG	< LG	< LG	1	10
Beryllium (Be)	µg/l	< LG	< LG	< LG	1	10
Mercury (Hg)	µg/l	< LG	< LG	< LG	0,01	3
Thallium (Tl)	µg/l	< LG	< LG	< LG	0,01	0,1

<sup>1</sup> Test conditions: Test water according to DIN EN 16889:2016-10, 2 Hours, 100 °C

<sup>2</sup> Requirements CM/Res (2013)9: (1<sup>st</sup> migrate 2<sup>nd</sup> migrate) < 7x limit und 3<sup>rd</sup> migrate < limit

<sup>3</sup> Area-/volume ratio: envelope volume 5 cm x 5 cm x 5 cm = 125 cm<sup>3</sup> / volume: 125 mL

The extracts of the sample meet the limit values of the technical guideline CM/Res(2013)9 (Guideline on metals and alloys used in food contact materials and articles).

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**Remarks:**

The test results refer exclusively to the samples specified. The decision rule for the evaluation of conformity of test results can be found at <https://www.dekra.de/media/entscheidungsregel-bewertung-konformitaet-pruefergebnisse-d-v2-pdf.pdf>  
<https://www.dekra.de/media/entscheidungsregel-bewertung-konformitaet-pruefergebnisse-gb-v2-pdf.pdf>

A reproduction in excerpts of the test report must not be made without the written consent of the test laboratory. Chemical and material blanks are taken into account when determining the results. Samples will be stored for max. 6 months (for exceptions and specific storage times see QMH).

## Declaration:

a = accredited test method, n = not accredited test method,

Pa = Analysis carried out by partner laboratory (accredited test method), Pn = Analysis carried out by partner laboratory (not accredited test method),

Ha = Analysis carried out by DEKRA lab Halle (accredited test method), Hn = Analysis carried out by DEKRA lab Halle (not accredited test method)

SBa = Analysis carried out by DEKRA lab Saarbrücken (accredited test method), SBn = Analysis carried out by DEKRA lab Saarbrücken (not accredited test method),

Ba = Analysis carried out by DEKRA lab Bretten (accredited test method), Bn = Analysis carried out by DEKRA lab Bretten (not accredited test method)

Stuttgart, Dec 29, 2022

**DEKRA Automobil GmbH**

Laboratory for Environmental and Product Analysis

Stella Merkel

Project manager

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