

Applicant: LotusGrill GmbH  
Rheingönheimer Weg 3-5, 67117 Limburgerhof, Germany

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample description: LotusGrill grill grids and grill hoods  
Item No. Grid G280 (S), Item No. G-ER-28  
Grid G340 (CLASSIC), Item No. G-ER-34R  
Grid G435 (XL), Item No. G-ER-435  
Grid G600 (XXL), Item No. G-ER-600  
SS-Hood G280 (S), Item No. DK-SS-28  
SS-Hood G340 (CLASSIC), Item No. DK-SS-34  
SS-Hood G435 (XL), Item No. DK-SS-435  
Date sample received: April 9, 2021  
Testing period: April 9, 2021 to April 14, 2021

Tests conducted: As requested by the applicant, please refer to attached page(s) for details.

## Conclusion:

Tested sample	Standard	Result
Tested components of submitted samples	German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments—Sensorial examination odour and taste test..	Pass
	Council of Europe Resolution CM/Res(2013)9- Specific migration of heavy metal.	Pass
	US FDA Generally Recognized As Safe (GRAS) Specifications in stainless steel-Total Chromium content	See test data
	US FDA Generally Recognized As Safe (GRAS) Specifications in stainless steel- Leachable Arsenic(As), Cadmium(Cd), Lead (Pb) and Mercury(Hg) Content	Pass

For and on behalf of  
Intertek Vietnam LTD



LIEM MAI  
Hardlines Manager

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments–Sensorial examination odour and taste test

**Test Requested:** As specified by client, to determine Sensorial examination odour and taste from the submitted sample used in contact with food for compliance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments.

**Test Method** With reference to DIN10955:2004.  
Test condition: 100°C 2.0hr(s).  
Test media: Distilled water.  
No.of panelist: 6

<u>Test Item(s)</u>	<u>Result</u>		<u>Limit</u>
	<u>(1)</u>	<u>(2)</u>	
Sensorial examination odour (Point scale)	1	1	2.5
Sensorial examination taste (Point scale)	1	1	2.5

**Notes:**

Scale evaluation:  
0: No perceptible odour  
1: Odour just perceptible (still difficult to define)  
2: Moderate odour  
3: Moderately strong odour  
4: Strong odour

Tested components

- (1) Grill tray
- (2) Body of lid

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2. Council of Europe Resolution CM/Res(2013)9- Specific migration of heavy metal

**Test Requested:** As specified by client, to determine Specific migration of heavy metal from metal and alloys used in contact with food for compliance with Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9.

**Test Method** With reference to EN13130-1:2004 for selection of test method; analysis was performed by ICP-OES and ICP-MS.

**Simulant Used:** 0.5% Citric acid (W/V) aqueous solution

**Test Condition:** 100°C 2.0hr(s)

**The ratio of surface area to volume ratio was:** 6.0 sq.dm/kg

1st + 2nd Migration

Element	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)		
Aluminium(Al)	ND	ND	0.2	35
Antimony(Sb)	0.06	0.26	0.02	0.28
Chromium(Cr)	ND	ND	0.1	1.75
Cobalt(Co)	ND	ND	0.01	0.14
Copper(Cu)	ND	ND	0.1	28
Iron(Fe)	0.86	1.34	0.25	280
Manganese(Mn)	ND	ND	0.25	12.6
Molybdenum(Mo)	0.21	0.103	0.02	0.84
Nickel(Ni)	ND	ND	0.05	0.98
Silver(Ag)	ND	ND	0.03	0.56
Tin (Sn)	ND	ND	5	700
Vanadium(V)	ND	ND	0.005	0.07
Zinc(Zn)	ND	ND	1	35
Arsenic(As)	0.006	0.011	0.001	0.014
Barium(Ba)	ND	ND	0.25	8.4
Beryllium(Be)	ND	ND	0.005	0.07
Cadmium(Cd)	ND	ND	0.002	0.035
Lead(Pb)	ND	ND	0.005	0.07
Lithium(Li)	ND	ND	0.02	0.336
Mercury(Hg)	ND	ND	0.002	0.002
Thallium(Tl)	ND	ND	0.0001	0.002
Magnesium (Mg)	ND	ND	0.01	-
Titanium (Ti)	ND	ND	0.01	-

3rd Migration

Element	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)		
Aluminium(Al)	ND	ND	0.2	5
Antimony(Sb)	0.03	ND	0.02	0.04
Chromium(Cr)	ND	ND	0.1	0.25
Cobalt(Co)	ND	ND	0.01	0.02
Copper(Cu)	ND	ND	0.1	4
Iron(Fe)	ND	ND	0.25	40
Manganese(Mn)	ND	ND	0.25	1.8
Molybdenum(Mo)	ND	ND	0.02	0.12
Nickel(Ni)	ND	ND	0.05	0.14
Silver(Ag)	ND	ND	0.03	0.08
Tin (Sn)	ND	ND	5	100
Vanadium(V)	ND	ND	0.05	0.01
Zinc(Zn)	ND	ND	1	5
Arsenic(As)	0.0014	0.0014	0.001	0.002

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Element	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)		
Barium(Ba)	ND	ND	0.25	1.2
Beryllium(Be)	ND	ND	0.005	0.01
Cadmium(Cd)	ND	ND	0.002	0.005
Lead(Pb)	ND	ND	0.005	0.01
Lithium(Li)	ND	ND	0.02	0.048
Mercury(Hg)	ND	ND	0.002	0.003
Thallium(Tl)	ND	ND	0.0001	0.0001
Magnesium (Mg)	ND	ND	0.01	-
Titanium (Ti)	ND	ND	0.01	-

Notes: mg/kg = milligram per kilogram of foodstuff in contact with  
ND = Not Detected (<Reporting Limit)

Tested components

- (1) Grill tray  
(2) Body of lid

3. US FDA Generally Recognized As Safe (GRAS) Specifications in stainless steel-Total Chromium content  
By acid digestion followed by Inductively Coupled Plasma Emission Spectroscopic analysis.

Element	Result (%)		Reporting limit (%)	Limit (%)
	(1)	(2)		
Chromium (Cr)	12.2	14.2	0.01	16 min

4. US FDA Generally Recognized As Safe (GRAS) Specifications in stainless steel- Leachable Arsenic (As), Cadmium (Cd), Lead (Pb) and Mercury (Hg) Content  
By acid extraction and followed by Inductively Coupled Argon Plasma Spectrometry analysis.

Tested component	Result(mg/L)				Reporting limit (mg/L)	Limit (mg/L)
	As	Cd	Pb	Hg		
(1)	ND	ND	ND	ND	0.1	ND
(2)	ND	ND	ND	ND	0.1	ND

Notes: ND = Not Detected (<Reporting Limit)

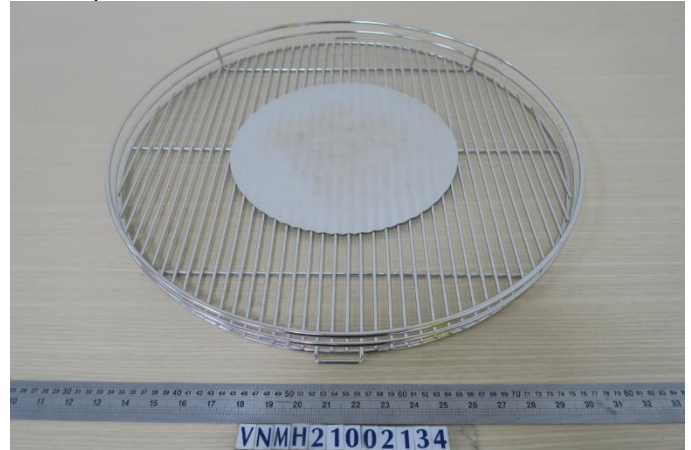
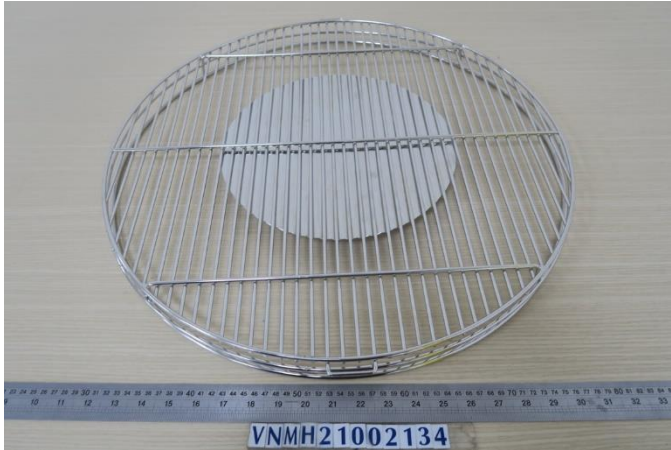
Tested components

- (1) Grill tray  
(2) Body of lid

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Photo of submitted samples



Tray



Lid

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END OF THE TEST REPORT

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