

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 1 of 11

Client Name: North Atlantic Imports, LLC  
 Client Address: 1073 W 1700 N Logan, UT 84321 USA

Sample Name: OUTDOOR ELECTRIC GRIDDLE  
 Client Ref. Information: 8001EU,8000EU

The above sample(s) and information were provided by the client.

SGS Job No.: NP23-001940  
 Sample Receiving Date: Jun 30, 2023  
 Testing Period: Jun 30, 2023 ~ Jul 11, 2023  
 Test Requested: Select test(s) as requested by the client.  
 Test Method(s): Please refer to next page(s).  
 Test Result(s): Please refer to next page(s).

	Test Requirement	Comment
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Colour release	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 with amendments, DIN 51032:2017 - Leachable Lead and Cadmium	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, ALS Opinion Number 2017/15 - Leachable cobalt	Pass
4	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Overall migration	Pass
5	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of Chromium(III)and Chromium(VI)	Pass

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

*Pinky Wu*

Pinky Wu  
 Approved Signatory

scan to see the report



DDEF49BE



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
 Ningbo Branch Chemical Laboratory

No.1177, Lingyun Road, Hi-Tech Zone, Ningbo, Zhejiang, China 315040 tE&E (86-574)89070249  
 中国·浙江·宁波高新区凌云路1177号 邮编: 315040 tHL (86-574)89070271 tML (86-574)89070242 sgs.china@sgs.com

[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

	Test Requirement	Comment
6	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Specific migration of polynuclear aromatic hydrocarbons (PAHs)	Pass
7	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Specific migration of primary aromatic amine (individual)	Pass
8	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Specific migration of heavy metals	Pass

**Test Result(s):**

**Test Part Description:**

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	NGB23-0028242-0001.C001	metal with black coating	metal+ceramic coating

**Remarks:**

- (1) mg/dm<sup>2</sup> = milligram per square decimeter  
 μg/cm<sup>2</sup> = microgram per square centimeter  
 mg/L = milligram per litre  
 mg/kg = milligram per kilogram
- (2) °C = degree Celsius
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

**The ratio of surface area to volume**

SGS Sample ID	Overall Migration	Specific Migration
NGB23-0028242-0001.C001	3.8 dm <sup>2</sup> /kg	3.8 dm <sup>2</sup> /kg

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Colour release**

Test Method: With reference to Kunststoffe im Lebensmittelverkehr, Part B II IX.

Simulant used	Limit	A1	Comment
Colour release in 2% acetic acid (W/W)	No colour release	Negative	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 3 of 11

Simulant used	Limit	A1	Comment
Colour release in Coconut Oil	No colour release	Negative	Pass

**Notes:**

(1) Negative = No color release observed, Positive = Color release observed.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 with amendments, DIN 51032:2017 - Leachable Lead and Cadmium**

Test Method: With reference to EN 1388-1:1995, analysis was performed by AAS.

**A1 Hollowware Pass**

	Depth (mm)	Vol. of 4% acetic acid used (mL)
1	62	1120
2	62	1120

	Leachable Lead (mg/L)	Leachable Cadmium (mg/L)
1	<0.1	<0.01
2	<0.1	<0.01
Limit	4.0	0.3

**Notes:**

(1) Flatware: With an internal depth not exceeding 25mm, measured from the lowest point to the horizontal plane passing through the overflow point.

(2) Hollowware: Those articles which do not fall into the category of Flatware.

Permissible limits for articles made from ceramics, glass and glass ceramics

Items	Flatware		Hollow-ware	
	Lead mg/dm <sup>2</sup>	Cadmium mg/dm <sup>2</sup>	Lead mg/L	Cadmium mg/L
Table ware and kitchen utensils made of ceramics, glass and glass ceramics	0.8 <sup>a</sup>	0.07 <sup>a</sup>	4.0 <sup>a</sup>	0.3 <sup>a</sup>
Cooking and baking equipment, packaging containers, storage containers made of ceramic, glass and glass ceramics	0.4	0.05	1.5 <sup>a</sup>	0.1 <sup>a</sup>

Note: <sup>a</sup> In accordance with the EU directive on ceramic objects.

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, ALS Opinion Number 2017/15 - Leachable cobalt**

Test Method: With reference to EN 1388-2:1995, analysis was performed by ICP-MS.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 4 of 11

## A1 Hollowware Pass

	Depth (mm)	Vol. of 4% acetic acid used (mL)
1	62	1120
2	62	1120

	Leachable Cobalt (mg/L)
1	<0.05
2	<0.05
Limit	0.1

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Overall migration**

Test Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; EN 1186-3:2022 Test methods for overall migration in evaporable simulants

	Test Condition			
	10% Ethanol(V/V)	3% Acetic acid (W/V)	95% Ethanol(V/V)	Isooctane
A1	100°C, 2 hrs	100°C, 2 hrs	60°C, 4 hrs	60°C, 2 hrs

Simulant used	Limit	Unit(s)	RL	A1 (1 <sup>st</sup> Migration)	A1 (2 <sup>nd</sup> Migration)	A1 (3 <sup>rd</sup> Migration)	Stability	Comment
10% Ethanol(V/V)	10	mg/dm <sup>2</sup>	3.0	ND	ND	ND	YES	Pass
3% Acetic acid (W/V)	10	mg/dm <sup>2</sup>	3.0	ND	ND	ND	YES	Pass
95% Ethanol(V/V)	10	mg/dm <sup>2</sup>	3.0	ND	ND	ND	YES	Pass
Isooctane	10	mg/dm <sup>2</sup>	3.0	ND	ND	ND	YES	Pass

### Notes:

- (1) Analytical tolerance of evaporable simulants is 2 mg/dm<sup>2</sup> or 12 mg/kg, analytical tolerance of olive oil simulant is 3 mg/dm<sup>2</sup> or 20 mg/kg.
- (2) Test condition & simulant were specified by client.
- (3) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

SGS-CS10 Standards Technical Services Co., Ltd.  
Ningbo Branch Chemical Laboratory

No.1177, Lingyun Road, Hi-Tech Zone, Ningbo, Zhejiang, China 315040 tE&E (86-574)89070249  
 中国·浙江·宁波高新区凌云路1177号 邮编: 315040 tHL (86-574)89070271 tML (86-574)89070242 sgs.china@sgs.com

www.sgs.com.cn

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 5 of 11

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of Chromium(III)and Chromium(VI)**

Test Method: With reference to EN 13130-1:2004, analysis was performed by ICP-MS.

Simulant	Test Condition
	A1
3% Acetic acid (W/V)	100°C, 2 hrs

Test Item(s)	Limit	Unit(s)	RL	A1		
<b>3% Acetic acid (W/V)</b>						
Migration times				First	Second	Third
Specific migration of chromium(VI)	ND	mg/dm <sup>2</sup>	0.004	ND	ND	ND
Specific migration of chromium(III)	0.02	mg/dm <sup>2</sup>	0.004	ND	ND	ND
Stability	-	-	-	YES		
<b>Comment</b>	<b>Pass</b>					

**Notes:**

- (1) Test condition & simulant were specified by client.
- (2) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.
- (3) The compliance rule is based on the requirement of (EU) 2020/1245.
- (4) The result of Chromium (VI) and Chromium (III) are considered as "Not Detected" since the total chromium content determined is "Not Detected".

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Specific migration of polynuclear aromatic hydrocarbons (PAHs)**

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS.

Simulant	Test Condition
	A1
95% Ethanol	60°C,3.5 hrs
Isooctane	60°C,1.5 hrs

Test Item(s)	Limit	Unit(s)	RL	A1		
<b>95% Ethanol</b>						
Migration times				First	Second	Third
Naphthalene(NAP)	ND	mg/kg	0.01	ND	ND	ND
Acenaphthylene(ANY)	ND	mg/kg	0.01	ND	ND	ND
Acenaphthene(ANA)	ND	mg/kg	0.01	ND	ND	ND
Fluorene(FLU)	ND	mg/kg	0.01	ND	ND	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 6 of 11

Test Item(s)	Limit	Unit(s)	RL	A1		
Phenanthrene(PHE)	ND	mg/kg	0.01	ND	ND	ND
Anthracene(ANT)	ND	mg/kg	0.01	ND	ND	ND
Fluoranthene(FLT)	ND	mg/kg	0.01	ND	ND	ND
Pyrene(PYR)	ND	mg/kg	0.01	ND	ND	ND
Benzo(a)anthracene(BaA)	ND	mg/kg	0.01	ND	ND	ND
Chrysene(CHR)	ND	mg/kg	0.01	ND	ND	ND
Benzo(b)Fluoranthene(BbF)	ND	mg/kg	0.01	ND	ND	ND
Benzo(k)Fluoranthene(BkF)	ND	mg/kg	0.01	ND	ND	ND
Benzo(a)pyrene(BaP)	ND	mg/kg	0.01	ND	ND	ND
Indeno(1,2,3-c,d)pyrene(IPY)	ND	mg/kg	0.01	ND	ND	ND
Dibenzo(a,h)Anthracene(DBA)	ND	mg/kg	0.01	ND	ND	ND
Benzo(g,h,i)perylene(BPE)	ND	mg/kg	0.01	ND	ND	ND
Benzo(j)fluoranthene(BjF)	ND	mg/kg	0.01	ND	ND	ND
Benzo(e)pyrene(BeP)	ND	mg/kg	0.01	ND	ND	ND
Stability	-	-	-	YES		
<b>Comment</b>				<b>Pass</b>		

Test Item(s)	Limit	Unit(s)	RL	A1		
<b>Isooctane</b>						
Migration times				First	Second	Third
Naphthalene(NAP)	ND	mg/kg	0.01	ND	ND	ND
Acenaphthylene(ANY)	ND	mg/kg	0.01	ND	ND	ND
Acenaphthene(ANA)	ND	mg/kg	0.01	ND	ND	ND
Fluorene(FLU)	ND	mg/kg	0.01	ND	ND	ND
Phenanthrene(PHE)	ND	mg/kg	0.01	ND	ND	ND
Anthracene(ANT)	ND	mg/kg	0.01	ND	ND	ND
Fluoranthene(FLT)	ND	mg/kg	0.01	ND	ND	ND
Pyrene(PYR)	ND	mg/kg	0.01	ND	ND	ND
Benzo(a)anthracene(BaA)	ND	mg/kg	0.01	ND	ND	ND
Chrysene(CHR)	ND	mg/kg	0.01	ND	ND	ND
Benzo(b)Fluoranthene(BbF)	ND	mg/kg	0.01	ND	ND	ND
Benzo(k)Fluoranthene(BkF)	ND	mg/kg	0.01	ND	ND	ND
Benzo(a)pyrene(BaP)	ND	mg/kg	0.01	ND	ND	ND
Indeno(1,2,3-c,d)pyrene(IPY)	ND	mg/kg	0.01	ND	ND	ND
Dibenzo(a,h)Anthracene(DBA)	ND	mg/kg	0.01	ND	ND	ND
Benzo(g,h,i)perylene(BPE)	ND	mg/kg	0.01	ND	ND	ND
Benzo(j)fluoranthene(BjF)	ND	mg/kg	0.01	ND	ND	ND
Benzo(e)pyrene(BeP)	ND	mg/kg	0.01	ND	ND	ND
Stability	-	-	-	YES		
<b>Comment</b>				<b>Pass</b>		

**Notes:**

- (1) Test condition & simulant were specified by client.
- (2) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 7 of 11

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Specific migration of primary aromatic amine (individual)**

Test Method: With reference to EN 13130-1:2004, analysis was performed by LC-MS-MS.

Simulant	Test Condition
	A1

  

3% Acetic acid (W/V)	100°C, 2 hrs
----------------------	--------------

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1		
<b>3% Acetic acid (W/V)</b>							
Migration times					First	Second	Third
2,4,5-Trimethylaniline	137-17-7	ND	mg/kg	0.002	ND	ND	ND
2,4-Toluenediamine(2,4-TDA)	95-80-7	ND	mg/kg	0.002	ND	ND	ND
2-Methoxy-5-methylaniline	120-71-8	ND	mg/kg	0.002	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	ND	mg/kg	0.002	ND	ND	ND
4,4'-Diaminodiphenyl ether	101-80-4	ND	mg/kg	0.002	ND	ND	ND
4,4'-Methylenedianiline	101-77-9	ND	mg/kg	0.002	ND	ND	ND
4,4'-Methylenedio-toluidine	838-88-0	ND	mg/kg	0.002	ND	ND	ND
4-Aminobiphenyl	92-67-1	ND	mg/kg	0.002	ND	ND	ND
4-Chloroaniline	106-47-8	ND	mg/kg	0.002	ND	ND	ND
4-Chloro-o-toluidine	95-69-2	ND	mg/kg	0.002	ND	ND	ND
4-Methoxy-m-phenylenediamine	615-05-4	ND	mg/kg	0.002	ND	ND	ND
Benzidine	92-87-5	ND	mg/kg	0.002	ND	ND	ND
o-Anisidine	90-04-0	ND	mg/kg	0.002	ND	ND	ND
o-Toluidine	95-53-4	ND	mg/kg	0.002	ND	ND	ND
2-Naphthylamine	91-59-8	ND	mg/kg	0.002	ND	ND	ND
o-Aminoazotoluene	97-56-3	ND	mg/kg	0.002	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	ND	mg/kg	0.002	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	mg/kg	0.002	ND	ND	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 8 of 11

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1		
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	mg/kg	0.002	ND	ND	ND
4,4'-Thiodianiline	139-65-1	ND	mg/kg	0.002	ND	ND	ND
4-Amino azobenzene	60-09-3	ND	mg/kg	0.002	ND	ND	ND
1,3-Phenylenediamine	108-45-2	ND	mg/kg	0.002	ND	ND	ND
2-Amino-4-nitrotoluene	99-55-8	ND	mg/kg	0.002	ND	ND	ND
Primary aromatic amine(other)	-	0.01	mg/kg	-	ND	ND	ND
1,3-Diiminoisoindoline	3468-11-9	-	mg/kg	0.010	ND	ND	ND
3-Anisidine	536-90-3	-	mg/kg	0.002	ND	ND	ND
2-Amino-1-naphthalenesulfonic acid	81-16-3	-	mg/kg	0.005	ND	ND	ND
2-Ethoxyaniline	94-70-2	-	mg/kg	0.005	ND	ND	ND
5-Chloro-2-methoxyaniline	95-03-4	-	mg/kg	0.005	ND	ND	ND
2-Chloraniline	95-51-2	-	mg/kg	0.010	ND	ND	ND
4-Toluidine	106-49-0	-	mg/kg	0.002	ND	ND	ND
1,4-Phenylenediamine	106-50-3	-	mg/kg	0.002	ND	ND	ND
3-Chloroaniline	108-42-9	-	mg/kg	0.010	ND	ND	ND
3-Toluidine	108-44-1	-	mg/kg	0.002	ND	ND	ND
3-Amino-4-methoxybenzanilide	120-35-4	-	mg/kg	0.002	ND	ND	ND
2-Chloro-4-nitroaniline	121-87-9	-	mg/kg	0.005	ND	ND	ND
4-Chlor-3-methoxyaniline	13726-14-2	-	mg/kg	0.005	ND	ND	ND
4-Ethoxyaniline	156-43-4	-	mg/kg	0.002	ND	ND	ND
3-Amino-4-methylbenzamide	19406-86-1	-	mg/kg	0.002	ND	ND	ND
1,5-Diaminonaphthalene	2243-62-1	-	mg/kg	0.002	ND	ND	ND
4-Aminobenzamide	2835-68-9	-	mg/kg	0.005	ND	ND	ND
Aniline	62-53-3	-	mg/kg	0.002	ND	ND	ND
4-Chlor-2,5-dimethoxyaniline	6358-64-1	-	mg/kg	0.005	ND	ND	ND
2,4,5-Trichloroaniline	636-30-6	-	mg/kg	0.010	ND	ND	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 9 of 11

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1		
5-Amino-6-methylbenzimidazole	67014-36-2	-	mg/kg	0.005	ND	ND	ND
2,6-Diaminotoluene	823-40-5	-	mg/kg	0.002	ND	ND	ND
2,6-Dimethylaniline(2,6-DMA)	87-62-7	-	mg/kg	0.002	ND	ND	ND
4-Aminotoluene-3-sulfonic acid	88-44-8	-	mg/kg	0.005	ND	ND	ND
1,2-Phenylendiamine	95-54-5	-	mg/kg	0.002	ND	ND	ND
2,4-Dimethylaniline(2,4-DMA)	95-68-1	-	mg/kg	0.002	ND	ND	ND
5-Chloro-2-methylaniline	95-79-4	-	mg/kg	0.005	ND	ND	ND
2,5-Dichloroaniline	95-82-9	-	mg/kg	0.010	ND	ND	ND
2,4-Dinitroaniline	97-02-9	-	mg/kg	0.005	ND	ND	ND
2-Methoxy-4-nitroaniline	97-52-9	-	mg/kg	0.005	ND	ND	ND
p-Anisidine	104-94-9	-	mg/kg	0.002	ND	ND	ND
Dimethyl aminoterephthalate	5372-81-6	-	mg/kg	0.002	ND	ND	ND
3,4-Dichloroaniline	95-76-1	-	mg/kg	0.002	ND	ND	ND
1-Naphthylamine	134-32-7	-	mg/kg	0.002	ND	ND	ND
2-Aminobiphenyl	90-41-5	-	mg/kg	0.002	ND	ND	ND
Butyl anthranilate	7756-96-9	-	mg/kg	0.002	ND	ND	ND
2,4'-Diaminodiphenyl methane	1208-52-2	-	mg/kg	0.002	ND	ND	ND
2-Amino-5-methylbenzoic acid	2941-78-8	-	mg/kg	0.002	ND	ND	ND
Stability	-	-	-	-	YES		
<b>Comment</b>					<b>Pass</b>		

### Notes:

- (1) Test condition & simulant were specified by client.
- (2) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.

### **Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31**



SGS (Shanghai) Standards Technical Services Co., Ltd.  
Ningbo Branch Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1177, Lingyun Road, Hi-Tech Zone, Ningbo, Zhejiang, China 315040 tE&E (86-574)89070249

[www.sgs.com](http://www.sgs.com)

中国·浙江·宁波高新区凌云路1177号 邮编: 315040 tHL (86-574)89070271 tML (86-574)89070242 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

# Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 10 of 11

**with amendments, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation and BfR recommendation - Specific migration of heavy metals**

Test Method: With reference to EN 13130-1:2004, analysis was performed by ICP-MS.

Simulant	Test Condition
	A1
3% Acetic acid (W/V)	100°C, 2 hrs

Test Item(s)	Limit	Unit(s)	RL	A1		
<b>3% Acetic acid (W/V)</b>						
Migration times				First	Second	Third
Arsenic(As)	ND	mg/kg	0.01	ND	ND	ND
Cadmium(Cd)	ND	mg/kg	0.002	ND	ND	ND
Chromium(Cr)	ND	mg/kg	0.01	ND	ND	ND
Mercury(Hg)	ND	mg/kg	0.01	ND	ND	ND
Lead(Pb)	ND	mg/kg	0.01	ND	ND	ND
Aluminium(Al)	1	mg/kg	0.1	ND	ND	ND
Barium(Ba)	1	mg/kg	0.25	ND	ND	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND	ND	ND
Copper(Cu)	5	mg/kg	0.25	ND	ND	ND
Iron(Fe)	48	mg/kg	5	ND	ND	ND
Lithium(Li)	0.6	mg/kg	0.1	ND	ND	ND
Manganese(Mn)	0.6	mg/kg	0.1	ND	ND	ND
Zinc(Zn)	5	mg/kg	0.5	ND	ND	ND
Nickel(Ni)	0.02	mg/kg	0.01	ND	ND	ND
Antimony(Sb)	0.04	mg/kg	0.01	ND	ND	ND
Europium(Eu)	-	mg/kg	0.025	ND	ND	ND
Gadolinium(Gd)	-	mg/kg	0.025	ND	ND	ND
Lanthanum(La)	-	mg/kg	0.025	ND	ND	ND
Terbium(Tb)	-	mg/kg	0.025	ND	ND	ND
Europium(Eu)+ Gadolinium(Gd)+ Lanthanum(La)+ Terbium(Tb)	0.05	mg/kg	-	ND	ND	ND
Stability	-	-	-	YES		
Comment				Pass		

**Notes:**

- (1) Test condition & simulant were specified by client.
- (2) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

## Test Report

No.: NGBEC23002824201

Date: Jul 11, 2023

Page 11 of 11

Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CS18 Standards Technical Services Co., Ltd.  
Ningbo Branch Chemical Laboratory

No.1177, Lingyun Road, Hi-Tech Zone, Ningbo, Zhejiang, China 315040 tE&E (86-574)89070249  
中国·浙江·宁波高新区凌云路1177号 邮编: 315040 tHL (86-574)89070271 tML (86-574)89070242 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

[www.sgs.com](http://www.sgs.com).cn