TEST REPORT

LAB NO. : (3223)011-0244revision
DATE : Feb. 24, 2023
PAGE : 1 OF 20
This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Applicant:
NINGBO WEIJIE ELECTRICAL APPLIANCES CO. LTD.
TANNAN VILLAGE, ZHOUXIANG TOWN 315300 CIXI CITY CHINA

Date of Submission: 2023-01-11, 2023-02-01, 2023-02-10 and 2023-02-16
Test Period: 2023-01-11 to 2023-02-20

Sample Description: Sample Status:	/ Intact		
Manufacturer:	/	Buyer:	/
Style No.(s):	Raclette grill: WJ-K221 Grill units: WJ-P512	PO No.:	/
Country of Origin:	/	Country of Destination:	/
Color:	/	Vendor:	/

Test Item(s): Details see attached page(s).

REMARK
If there are questions or concerns on this report, please contact the following persons:

Customer service

Ms. Ashe XI
(0574) 87091115
ashe.xi@bureauveritas.com

BUREAU VERITAS TESTING TECHNICAL SERVICE (ZHEJIANG) CO.,LTD

PREPARED BY : Jessie

Jane Ye
TECHNICAL MANAGER

Bureau Veritas Testing Technical Service (Zhejiang) Co.,Ltd
1F west, 6F east, 7F east, 8F, Building B,
No.66,Qingyi Road, Ningbo, Zhejiang, China
Tel:86-574-87091333, Fax:86-574-87971038
website:cps.bureauveritas.com

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food contact - Organic materials made of synthetic material - version 5 September 2017	PASS
Overall Migration Test for Coated Metal in Contact with Foodstuffs – Regulation 1935/2004, Commission Regulation (EU) No. 2020/1245, French Decree 2007-766 & DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys	PASS
Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food contact - Organic materials made of synthetic material - version 5 September 2017	PASS
Specific Migration of Heavy Metals for Coated Metal in Contact with Foodstuffs – Regulation 1935/2004, Commission Regulation (EU) No. 2020/1245, French Decree 2007-766 & French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys	PASS
Specific Migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food Contact - Organic Materials Made of Synthetic Material - version 5 September 2017	PASS
Specific Migration of Primary Aromatic Amine for Coated Metal in Contact with Foodstuffs – Regulation 1935/2004, Commission Regulation (EU) No. 2020/1245, French Decree 2007-766 & French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys	PASS
Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food Contact - Organic Materials Made of Synthetic Material - version 5 September 2017	PASS
Specific Migration of Caprolactam for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food Contact - Organic Materials Made of Synthetic Material - version 5 September 2017	PASS
Specific Migration of Bisphenol A for Coated Metal in Contact with Foodstuffs –Commission Regulation (EU) No. 2020/1245, Commission Regulation (EU) 2018/213, French Decree 2007-766 & French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys	PASS
Specific Migration of Perfluoro-Octanoic Acid (PFOA) for Coated Metal in Contact with Foodstuffs	PASS
Chromium VI Content for Anti-adhesive Coating in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766 and French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys	PASS
Release of Heavy Metals Contents for Non-Coated Metal and Metal with Metallic Coating in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766 and French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys	PASS
Metal Content for Aluminium in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766, French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys and French Arrete 27 Aug 1987	PASS
Metal Content for Stainless Steel in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766, French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys and French Arrete 13 Jan. 1976	PASS
Extractable Lead and Cadmium in Ceramic Wares in Contact with Foodstuffs – French Decree 2007-766 and French DGCCRF Sheet MCDA n°2 (V01 – 01/05/2016) Food contact - Inorganic materials (excluding metals and alloys)	PASS

Extractable Aluminum, Cobalt and Arsenic in Ceramic, Glass, Enamel Wares and Slate Materials in Contact with Foodstuffs – French DGCCRF Sheet MCDA n°2 (V01 – 01/05/2016) Food contact - Inorganic materials (excluding metals and alloys)	PASS

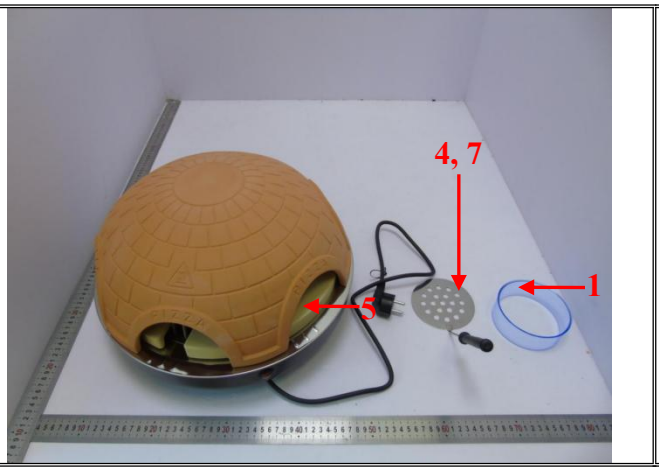
Note: The tested part of the sample was specified by client.
The test conclusion was given based on the results of tested part.
Selected test items as requested by applicants.

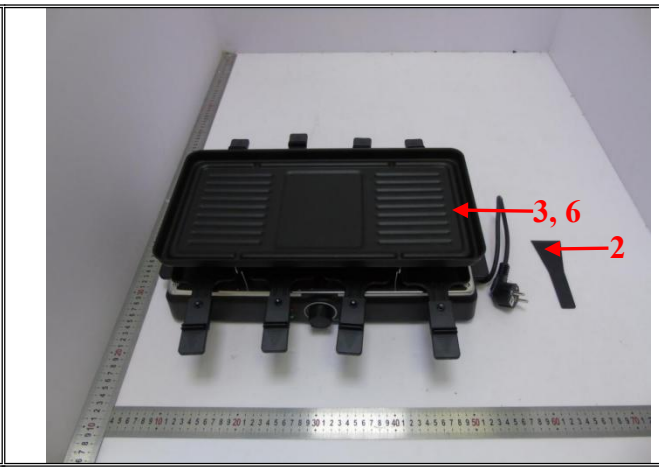
This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Sample Description Assigned by Laboratory:

Test Item	Description	Client Claimed Material
1	Blue transparent plastic	AS
2	Black plastic chain	PA
3	Baking tray with black coating (Sample Receiving Date: 2023.01.11)	-
4	Silvery metal chain (Sample Receiving Date: 2023.01.11)	Stainless steel (304)
5	Beige ceramic plate	Ceramic
6	Baking tray with black coating (Sample Receiving Date: 2023.02.10)	-
7	Silvery metal chain (Sample Receiving Date: 2023.02.10)	Stainless steel (304)

Photo of the Submitted Sample





32230110244

TEST RESULT

Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food contact - Organic materials made of synthetic material - version 5 September 2017

Test Condition: 2 h at 100 ºC (3% Acetic acid)
2 h at 100 ºC (10% Ethanol)
6 h at 60 ºC (95% Ethanol)
4 h at 60 ºC (Iso-octane)

Simulant Used	Unit	Result 1			Maximum Allowable Limit (3rd)	Analytical Tolerance
		1st Migrate	2nd Migrate	3rd Migrate		
Food contact surface area	dm^2	1.0			-	-
Volume of stimulant used	mL	100			-	-
3% Acetic acid	mg/dm^2	<5	<5	<5	10	+2
10% Ethanol	mg/dm^2	<5	<5	<5	10	+2
95% Ethanol	mg/dm^2	9.5	7.5	<5	10	+3
Iso-octane	mg/dm^2	<5	<5	<5	10	+3
Conclusion	-	PASS			-	-

Simulant Used	Unit	Result 2			Maximum Allowable Limit (3rd)	Analytical Tolerance
		1st Migrate	2nd Migrate	3rd Migrate		
Food contact surface area	dm^2	1.0			-	-
Volume of stimulant used	mL	100			-	-
3% Acetic acid	mg/dm^2	23.3	8.8	<5	10	+2
10% Ethanol	mg/dm^2	<5	<5	<5	10	+2
95% Ethanol	mg/dm^2	5.9	<5	<5	10	+3
Iso-octane	mg/dm^2	<5	<5	<5	10	+3
Conclusion	-	PASS			-	-

Note: "<" = less than
mg/dm^2 = milligram per square decimeter

Method: EN 1186-1: 2002;EN 1186-3: 2022

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Overall Migration Test for Coated Metal in Contact with Foodstuffs – Regulation 1935/2004, Commission Regulation (EU) No. 2020/1245, French Decree 2007-766 & DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Test Condition: 4 h at 100 ºC (3% Acetic acid)
4 h at 100 ºC (10% Ethanol)
6 h at 60 ºC (95% Ethanol)
4 h at 60 ºC (Iso-octane)

Simulant Used	Unit	Result 3			Maximum Allowable Limit (3rd)	Analytical Tolerance
		1st Migrate	2nd Migrate	3rd Migrate		
Food contact surface area	dm^2	0.33			-	-
Volume of stimulant used	mL	33			-	-
3% Acetic acid	mg/dm^2	<5	<5	<5	10	+2
10% Ethanol	mg/dm^2	<5	<5	<5	10	+2
95% Ethanol	mg/dm^2	<5	<5	<5	10	+3
Iso-octane	mg/dm^2	<5	<5	<5	10	+3
Conclusion	-	PASS			-	-

Note: "<" = less than
mg/dm^2 = milligram per square decimeter

Method: EN 1186-1: 2002, CEN/TS 14235:2002 and French DGCCRF - Food contact - Metals and alloys - version 01 April 2017.

Remark: 1) Washing had been applied according to the sample instruction before test.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food contact - Organic materials made of synthetic material - version 5 September 2017

Test Condition: 2 h at 100 °C (3% Acetic acid)

Parameter	Simulant Used	Unit	Result 1			Maximum Allowable Limit(3rd)
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	0.6			-
Volume of stimulant used	-	mL	100			-
Barium (Ba)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5	<0.5	<0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	<5	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	5
Aluminum (Al)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	1
Nickel (Ni)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.02
Antimony (Sb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.04
Arsenic (As)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Cadmium (Cd)	3% Acetic acid	mg/kg	<0.002	<0.002	<0.002	Not detected
Chromium (Cr)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Europium (Eu)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Gadolinium (Gd)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Lanthanum (La)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Lead (Pb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Mercury (Hg)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Sum of Europium (Eu), Gadolinium (Gd), Lanthanum (La), and/or Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Conclusion	-	-	PASS			-

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Parameter	Simulant Used	Unit	Result 2			Maximum Allowable Limit(3rd)
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	0.6			-
Volume of stimulant used	-	mL	100			-
Barium (Ba)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5	<0.5	<0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	<5	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	5
Aluminum (Al)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	1
Nickel (Ni)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.02
Antimony (Sb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.04
Arsenic (As)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Cadmium (Cd)	3% Acetic acid	mg/kg	<0.002	<0.002	<0.002	Not detected
Chromium (Cr)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Europium (Eu)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Gadolinium (Gd)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Lanthanum (La)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Lead (Pb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Mercury (Hg)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Sum of Europium (Eu), Gadolinium (Gd), Lanthanum (La), and/or Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Conclusion	-	-	PASS			-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Plasma Mass Spectrometers (ICP-MS).

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.

3) Due to the fact that SML for As, Cr, Pb, Hg is specified as not detectable meaning < 0.01 mg/kg and SML for Cd is specified as not detectable meaning < 0.002 mg/kg analysis and assessment has to be performed using the 1st migrate in any case no matter whether article/materials is intended for single or repeated use.

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Specific Migration of Heavy Metals for Coated Metal in Contact with Foodstuffs – Regulation 1935/2004, Commission Regulation (EU) No. 2020/1245, French Decree 2007-766 & French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Test Condition: 2 h at 100 ºC (3% Acetic acid)

Parameter	Simulant Used	Unit	Result			Maximum Allowable Limit(3rd)
			6			
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	9.0			-
Volume of stimulant used	-	mL	1500			-
Barium (Ba)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5	<0.5	<0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	<5	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<0.1	<0.1	<0.1	5
Aluminum (Al)	3% Acetic acid	mg/kg	0.17	0.13	0.12	1
Nickel (Ni)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.02
Antimony (Sb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.04
Arsenic (As)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Cadmium (Cd)	3% Acetic acid	mg/kg	<0.002	<0.002	<0.002	Not detected
Chromium (Cr)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Europium (Eu)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Gadolinium (Gd)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Lanthanum (La)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Lead (Pb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Mercury (Hg)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not detected
Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Sum of Europium (Eu), Gadolinium (Gd), Lanthanum (La), and/or Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Conclusion	-	-	PASS			-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Plasma Mass Spectrometers (ICP-MS), French DGCCRF - Food contact - Metals and alloys - version 01 April 2017.

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.

3) Due to the fact that SML for As, Cr, Pb, Hg is specified as not detectable meaning < 0.01 mg/kg and

SML for Cd is specified as not detectable meaning < 0.002 mg/kg analysis and assessment has to be performed using the 1st migrate in any case no matter whether article/materials is intended for single or repeated use.

Ni limit is according to the Commission regulation (EU) 2017/752 that amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food which is effective on May 19, 2019 finalized by EU government.

Specific Migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food Contact - Organic Materials Made of Synthetic Material - version 5 September 2017

Test Condition: 2 h at 100 °C (3% Acetic acid)

Primary Aromatic Amines (PAAs)

Parameter	Unit	Result 2			Maximum Allowable Limit(3rd)
		1st Migrate	2nd Migrate	3rd Migrate	
Aniline	mg/kg	<0.002	<0.002	<0.002	0.01(sum)
2,4-Dimethylaniline / 2,4-xylidine	mg/kg	<0.002	<0.002	<0.002	
2,6-Dimethylaniline / 2,6-xylidine	mg/kg	<0.002	<0.002	<0.002	
p-Phenylenediamine / 1,4-phenylenediamine	mg/kg	<0.002	<0.002	<0.002	
2,6-Toluenediamine	mg/kg	<0.002	<0.002	<0.002	
1,5-Diaminenaphthalene	mg/kg	<0.002	<0.002	<0.002	
Conclusion	-	PASS			-

Primary Aromatic Amines (PAAs)

Parameter	Unit	Result 2			Maximum Allowable Limit(3rd)
		1st Migrate	2nd Migrate	3rd Migrate	
4-aminobiphenyl / 4-biphenylamine	mg/kg	<0.002	<0.002	<0.002	0.002
o-anisidine / 2-methoxyaniline	mg/kg	<0.002	<0.002	<0.002	0.002
Benzidine	mg/kg	<0.002	<0.002	<0.002	0.002
4-Chloro-aniline / p-chloroaniline	mg/kg	<0.002	<0.002	<0.002	0.002
4-Chloro-o-toluidine	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-Diaminodiphenylether / 4,4'-oxydianiline	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-Methylenedianiline / 4,4'-diamino-diphenylmethane	mg/kg	<0.002	<0.002	<0.002	0.002
4,4-Methylenedi-o-toluidine / 3,3'-dimethyl-4,4'-diaminodiphenylmethane	mg/kg	<0.002	<0.002	<0.002	0.002
2-Methoxy-5-methylaniline / p-cresidine	mg/kg	<0.002	<0.002	<0.002	0.002
4-Methoxy-m-phenylenediamine / 2,4-diaminoanisole	mg/kg	<0.002	<0.002	<0.002	0.002
o-Toluidine / 2-aminotoluene	mg/kg	<0.002	<0.002	<0.002	0.002

2,4-Toluenediamine	mg/kg	<0.002	<0.002	<0.002	0.002
3,3-Dimethylbenzidine	mg/kg	<0.002	<0.002	<0.002	0.002
2,4,5-Trimethylaniline	mg/kg	<0.002	<0.002	<0.002	0.002
m-Phenylenediamine / 1,3-phenylenediamine	mg/kg	<0.002	<0.002	<0.002	0.002
2-naphthylamine	mg/kg	<0.002	<0.002	<0.002	0.002
o-aminoazotoluene/ 4-amino-2',3-dimethylazobenzene/ 4-o-tolylazo-o-toluidine	mg/kg	<0.002	<0.002	<0.002	0.002
5-nitro-o-toluidine	mg/kg	<0.002	<0.002	<0.002	0.002
3,3'-dichlorobenzidine	mg/kg	<0.002	<0.002	<0.002	0.002
3,3'-dimethoxybenzidine / o-dianisidine	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-methylene-bis-(2-chloro-aniline) / 2,2'-dichloro-4,4'-methylene-dianiline	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-thiodianiline	mg/kg	<0.002	<0.002	<0.002	0.002
4-amino azobenzene	mg/kg	<0.002	<0.002	<0.002	0.002
Conclusion	-	PASS			-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004, LC-MS/ LC-MS/MS analysis.

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) PAA listed in entry 43 to Appendix 8 of Annex XVII to Regulation (EC) No 1907/2006 and1,3-phenylenediamine are specified as not detectable meaning < 0.002 mg/kg, assessment has to be performed using the 1st migrate in any case no matter whether article/materials is intended for single or repeated use.

Specific Migration of Primary Aromatic Amine for Coated Metal in Contact with Foodstuffs – Regulation 1935/2004, Commission Regulation (EU) No. 2020/1245, French Decree 2007-766 & French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Test Condition: 2 h at 100 ºC (3% Acetic acid)

Primary Aromatic Amines (PAAs)

Parameter	Unit	Result			Maximum Allowable Limit(3rd)
		3			
		1st Migrate	2nd Migrate	3rd Migrate	
Aniline	mg/kg	<0.002	<0.002	<0.002	0.01(sum)
2,4-Dimethylaniline / 2,4-xylidine	mg/kg	<0.002	<0.002	<0.002	
2,6-Dimethylaniline / 2,6-xylidine	mg/kg	<0.002	<0.002	<0.002	
p-Phenylenediamine / 1,4-phenylenediamine	mg/kg	<0.002	<0.002	<0.002	
2,6-Toluenediamine	mg/kg	<0.002	<0.002	<0.002	
1,5-Diaminenaphthalene	mg/kg	<0.002	<0.002	<0.002	
Conclusion	-	PASS			-

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Primary Aromatic Amines (PAAs)

Parameter	Unit	Result			Maximum Allowable Limit(3rd)
		3			
		1st Migrate	2nd Migrate	3rd Migrate	
4-aminobiphenyl / 4-biphenylamine	mg/kg	<0.002	<0.002	<0.002	0.002
o-anisidine / 2-methoxyaniline	mg/kg	<0.002	<0.002	<0.002	0.002
Benzidine	mg/kg	<0.002	<0.002	<0.002	0.002
4-Chloro-aniline / p-chloroaniline	mg/kg	<0.002	<0.002	<0.002	0.002
4-Chloro-o-toluidine	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-Diaminodiphenylether / 4,4'-oxydianiline	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-Methylenedianiline / 4,4'-diamino-diphenylmethane	mg/kg	<0.002	<0.002	<0.002	0.002
4,4-Methylenedi-o-toluidine / 3,3'-dimethyl-4,4'-diaminodiphenylmethane	mg/kg	<0.002	<0.002	<0.002	0.002
2-Methoxy-5-methylaniline / p-cresidine	mg/kg	<0.002	<0.002	<0.002	0.002
4-Methoxy-m-phenylenediamine / 2,4-diaminoanisole	mg/kg	<0.002	<0.002	<0.002	0.002
o-Toluidine / 2-aminotoluene	mg/kg	<0.002	<0.002	<0.002	0.002
2,4-Toluenediamine	mg/kg	<0.002	<0.002	<0.002	0.002
3,3-Dimethylbenzidine	mg/kg	<0.002	<0.002	<0.002	0.002
2,4,5-Trimethylaniline	mg/kg	<0.002	<0.002	<0.002	0.002
m-Phenylenediamine / 1,3-phenylenediamine	mg/kg	<0.002	<0.002	<0.002	0.002
2-naphthylamine	mg/kg	<0.002	<0.002	<0.002	0.002
o-aminoazotoluene/ 4-amino-2',3-dimethylazobenzene/ 4-o-tolylazo-o-toluidine	mg/kg	<0.002	<0.002	<0.002	0.002
5-nitro-o-toluidine	mg/kg	<0.002	<0.002	<0.002	0.002
3,3'-dichlorobenzidine	mg/kg	<0.002	<0.002	<0.002	0.002
3,3'-dimethoxybenzidine / o-dianisidine	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-methylene-bis-(2-chloro-aniline) / 2,2'-dichloro-4,4'-methylene-dianiline	mg/kg	<0.002	<0.002	<0.002	0.002
4,4'-thiodianiline	mg/kg	<0.002	<0.002	<0.002	0.002
4-amino azobenzene	mg/kg	<0.002	<0.002	<0.002	0.002
Conclusion	-	PASS			-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004, LC-MS/ LC-MS/MS analysis, French DGCCRF - Food contact - Metals and alloys - version 01 April 2017.

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) PAA listed in entry 43 to Appendix 8 of Annex XVII to Regulation (EC) No 1907/2006 and1,3-phenylenediamine are specified as not detectable meaning < 0.002 mg/kg, assessment has to be performed using the 1st migrate in any case no matter whether article/materials is intended for single or repeated use.

Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food Contact - Organic Materials Made of Synthetic Material - version 5 September 2017

Test Condition: 2 h at 100 ºC (3% Acetic acid)

Parameter	Simulant Used	Unit	Result 1			Maximum Allowable Limit(1st)
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	0.6			-
Volume of stimulant used	-	mL	100			-
Acrylonitrile	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	Not Detected
Conclusion	-	-	PASS			-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and EN 13130-3:2004.

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) Due to the fact that SML for Acrylonitrile is specified as not detectable meaning < 0.01 mg/kg, assessment has to be performed using the 1st migrate in any case no matter whether article/materials is intended for single or repeated use.

Specific Migration of Caprolactam for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011, Commission Regulation (EU) No. 2020/1245 and Its Amendments, French Decree 2007-766 and French DGCCRF - Food Contact - Organic Materials Made of Synthetic Material - version 5 September 2017

Test Condition: 2 h at 100 ºC (3% Acetic acid)

Parameter	Simulant Used	Unit	Result 2			Maximum Allowable Limit(3rd)
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	0.6			-
Volume of stimulant used	-	mL	100			-
Caprolactam	3% Acetic acid	mg/kg	<5	<5	<5	15
Conclusion	-	-	PASS			-

Note: "<" = less than

mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and prCEN/TS 13130-16:2004.

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.

Specific Migration of Bisphenol A for Coated Metal in Contact with Foodstuffs –Commission Regulation (EU) No. 2020/1245, Commission Regulation (EU) 2018/213, French Decree 2007-766 & French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Test Condition: 2 h at 100 ºC (3% Acetic acid)

Parameter	Simulant Used	Unit	Result			Maximum Allowable Limit (3rd)
			3			
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	0.33			-
Volume of stimulant used	-	mL	55			-
Bisphenol A	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Conclusion	-	-	PASS			-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and CEN/TS 13130-13:2005.

Remark: 1) The migration test is carried out according to EU regulation No. 2018/213 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.

Specific Migration of Perfluoro-Octanoic Acid (PFOA) for Coated Metal in Contact with Foodstuffs

Test Condition: 2 h at 100 ºC (3% Acetic acid)

Parameter	Simulant Used	Unit	Result			Maximum Allowable Limit(3rd)
			3			
			1st Migrate	2nd Migrate	3rd Migrate	
Food contact surface area	-	dm^2	0.33			-
Volume of simulant used	-	mL	55			-
PFOA	3% Acetic acid	mg/dm^2	<0.005	<0.005	<0.005	0.005
Conclusion	-	-	PASS			-

Note: "<" = less than

mg/dm^2 = milligram per square decimeter

Method: Food simulants extraction and analysis by LC-MSMS.

Remark: 1) The limit refers to BfR Recommendation LI.

2) The migration test is carried out referring to EU regulation No. 10/2011 and the corresponding regulatory statutes.

Chromium VI Content for Anti-adhesive Coating in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766 and French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Test Condition: Boiling water:10 mins

Parameter	Unit	Result			Maximum Allowable Limit (3rd)
		3			
		1st Migrate	2nd Migrate	3rd Migrate	
Chromium VI (Cr VI)	$\mu g/dm^2$	<2	<2	<2	≤5
Conclusion	-	PASS			-

Note: "<" = less than
$\mu g/dm^2$ = microgram per square decimetre

Method: Boiling water extraction and analysis by UV-Vis Spectrophotometer.

Release of Heavy Metals Contents for Non-Coated Metal and Metal with Metallic Coating in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766 and French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Test Condition: 0.5 % Citric acid: 2 h at 100 °C

Parameter	Unit	Result			Seven Times of Maximum Specific Release Limit(s) (SRLs)[a]
		3			
		1st Migrate	2nd Migrate	Sum of 1st & 2nd Migrate[a]	
Filling volume	cm^3	105	105	-	-
Volume of stimulant used	mL	70	70	-	-
Aluminum (Al)	mg/kg	<0.1	<0.1	<0.1	35
Antimony (Sb)	mg/kg	<0.004	<0.004	<0.004	0.28
Chromium (Cr)	mg/kg	<0.1	<0.1	<0.1	1.75
Cobalt (Co)	mg/kg	<0.005	<0.005	<0.005	0.14
Copper (Cu)	mg/kg	<0.5	<0.5	<0.5	28
Iron (Fe)	mg/kg	6.3	5.8	12.1	280
Manganese (Mn)	mg/kg	<0.1	<0.1	<0.1	12.6
Molybdenum (Mo)	mg/kg	<0.01	<0.01	<0.01	0.84
Nickel (Ni)	mg/kg	<0.02	<0.02	<0.02	0.98
Silver (Ag)	mg/kg	<0.01	<0.01	<0.01	0.56
Tin (Sn)	mg/kg	<5	<5	<5	700

Vanadium (V)	mg/kg	<0.002	<0.002	<0.002	0.07
Zinc (Zn)	mg/kg	<1	<1	<1	35
Arsenic (As)	mg/kg	<0.001	<0.001	<0.001	0.014
Barium (Ba)	mg/kg	<0.1	<0.1	<0.1	8.4
Beryllium (Be)	mg/kg	<0.001	<0.001	<0.001	0.07
Cadmium (Cd)	mg/kg	<0.001	<0.001	<0.001	0.035
Lead (Pb)	mg/kg	<0.002	<0.002	<0.002	0.07
Lithium (Li)	mg/kg	<0.01	<0.01	<0.01	0.336
Mercury (Hg)	mg/kg	<0.0004	<0.0004	<0.0004	0.021
Thallium (Tl)	mg/kg	<0.00005	<0.00005	<0.00005	0.0007
Conclusion	-	-	-	PASS	-

Parameter	**Unit**	**Result**	**Maximum Specific Release Limit(s) (SRLs)**
		3	
		3rd Migrate	
Filling volume	cm^3	105	-
Volume of stimulant used	mL	70	-
Aluminum (Al)	mg/kg	<0.1	5
Antimony (Sb)	mg/kg	<0.004	0.04
Chromium (Cr)	mg/kg	<0.1	0.25
Cobalt (Co)	mg/kg	<0.005	0.02
Copper (Cu)	mg/kg	<0.5	4
Iron (Fe)	mg/kg	6.7	40
Manganese (Mn)	mg/kg	<0.1	1.8
Molybdenum (Mo)	mg/kg	<0.01	0.12
Nickel (Ni)	mg/kg	<0.02	0.14
Silver (Ag)	mg/kg	<0.01	0.08
Tin (Sn)	mg/kg	<5	100
Vanadium (V)	mg/kg	<0.002	0.01
Zinc (Zn)	mg/kg	<1	5
Arsenic (As)	mg/kg	<0.001	0.002
Barium (Ba)	mg/kg	<0.1	1.2
Beryllium (Be)	mg/kg	<0.001	0.01
Cadmium (Cd)	mg/kg	<0.001	0.005
Lead (Pb)	mg/kg	<0.002	0.01
Lithium (Li)	mg/kg	<0.01	0.048
Mercury (Hg)	mg/kg	<0.0004	0.003
Thallium (Tl)	mg/kg	<0.00005	0.0001
Conclusion	-	PASS	-

Note: "<" = less than
mg/kg = milligram per kilogram

Method: BVCPS in-house method and French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys

Remark: 1) Artificial tap water was prepared according to German Standard DIN 10531: 2011-06.
2) [a] denotes as the sum of the results of the first and second migrates should not be exceed seven times the SRL

Metal Content for Aluminium in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766, French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys and French Arrete 27 Aug 1987

Parameter	Unit	Result	Limit
		6	
Aluminium (Al)	%	99.6	≥99
Iron (Fe) + Silicon (Si)	%	0.317	<1
Beryllium (Be)	%	<0.005	≤0.05
Chromium (Cr)	%	<0.01	<0.05
Copper (Cu)	%	<0.02	≤0.2
Magnesium (Mg)	%	<0.01	≤0.1
Manganese (Mn)	%	<0.01	<0.05
Nickel (Ni)	%	<0.01	≤0.1
Lead (Pb)	%	<0.005	≤0.05
Tin (Sn)	%	<0.01	≤0.1
Titanium (Ti)	%	0.023	≤0.15
Thallium (Tl)	%	<0.005	≤0.05
Zinc (Zn)	%	<0.01	≤0.1
Conclusion	-	PASS	-

Note: "<" = less than
"≤" = less than or equal to
"≥" = greater than or equal to

Method: Acid digestion and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Metal Content for Stainless Steel in Contact with Foodstuffs – Regulation 1935/2004, French Decree 2007-766, French DGCCRF Sheet "MCDA n°1 (V02 – 01/04/2017) Food contact - Metals and alloys and French Arrete 13 Jan. 1976

Parameter	Unit	Result	Limit
		7	
Aluminium (Al)	%	<0.1	≤4
Chromium (Cr)	%	18.59	≥13
Copper (Cu)	%	0.18	≤4
Molybdenum (Mo)	%	<0.1	≤4
Niobium (Nb)	%	<0.1	≤1
Tantalum (Ta)	%	<0.1	≤1
Titanium (Ti)	%	<0.1	≤4
Zirconium (Zr)	%	<0.1	≤1
Conclusion	-	PASS	-

Note: "<" = less than
"≤" = less than or equal to
"≥" = greater than or equal to

Method: Acid digestion and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP) and Spark Spectrometer.

Extractable Lead and Cadmium in Ceramic Wares in Contact with Foodstuffs – French Decree 2007-766 and French DGCCRF Sheet MCDA n°2 (V01 – 01/05/2016) Food contact - Inorganic materials (excluding metals and alloys)

Tested Item : **5**
Category : 1
Internal Depth (mm) : 24
Surface Area (dm^2) : 23.7

Unit	Leaching Volume (mL)	Result (mg/dm^2)	
		Extractable Lead (Pb)	Extractable Cadmium (Cd)
1	3950	<0.05	<0.01
2	3950	<0.05	<0.01
3	3950	<0.05	<0.01
4	3950	<0.05	<0.01
Average	-	<0.05	<0.01
Conclusion	-	PASS	PASS

Note: "<" = less than
mm = millimetre
mL = milliliter
dm^2 = square decimeter
mg/dm^2 = milligrams per square decimeter

Method: EN 1388-1:1995.

Remark: Category 1 - Articles which cannot be filled and articles which can be filled, the internal depth of which, measured from the lowest point to the horizontal plane passing through the upper rim, does not exceed 25 mm.
Category 2 - Articles, not in categories 1 or 3, which can be filled.
Category 3 - Packaging and storage vessels having a capacity of more than 3 L and cooking ware.

Limit of extractable lead and cadmium in Ceramic wares listed in below table.

Category	Unit	Maximum Allowable Limit	
		Lead	Cadmium
1	mg/dm^2	0.8	0.07
2	mg/L	4.0	0.3
3	mg/L	1.5	0.1

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Extractable Aluminum, Cobalt and Arsenic in Ceramic, Glass, Enamel Wares and Slate Materials in Contact with Foodstuffs – French DGCCRF Sheet MCDA n°2 (V01 – 01/05/2016) Food contact - Inorganic materials (excluding metals and alloys)

Tested Item : 5

-	Unit	Req.	Result (3rd Migrate)				
Test Sample(s) / Trial(s)	-	-	Trial 1	Trial 2	Trial 3	Trial 4	Average
Parameter	-	-	-	-	-	-	-
Internal Depth	mm	-	24	24	24	24	-
Volume of Test Solution	mL	-	3950	3950	3950	3950	-
Aluminum (Al)	mg/kg	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cobalt (Co)	mg/kg	0.02	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Arsenic (As)	mg/kg	ND (0.002)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Conclusion	-	-	PASS				

Note: "<" = less than
ND = Not detected
mL = millilitre
mm = millimetre
mg/kg = milligram(s) per kilogram

Method: EN 1388-1:1995 (Modified).

This report is amendment of and supersedes the previous (3223)011-0244 dated Feb. 21, 2023

Appendix:

Additional Model

WJ-*, (*=800, 800A, 800B, 800C, 800D, 800AD,801, 801A, 801B, 801C, 801D,801AD, 802,802A, 803, 804, 804A, 804B, 804C, 804D,804AD, 805, 806, 807, 807A, 807B, 807C, 807D,807AD, 808, 808A, 808B, 808C, 808D,808AD, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 021, 022, 023, 024, 025, 025A, 026, 026A, 027, 027A, 028, 027A-A, 029, 029A, 030A, 030B, 030C, 030D, 031, 031N, 031B, 032, 033, 041, 042, 045A, 045B, 046, 046A, 046A-A, 046A-B, 046S, 046A-C, 046A-D, 046SA, 046SB, 046SC, 046SD, 047, 051, 051B, 051C, 051D, 052, 053, 053A, 055, 056, 056A, 056S, 056SA, 058A, 058B, 058C, 058D, 061, 062, 063, 065, 066, 066N, 065A, 066B, 072, 072A, 072B, 072C, 073, 073B, 073C, 075, 076, 076A, 076B, 078, 079, 091, 092, 093, 095, 096, 096S, 097, 097S, 099S, 101, 102, 102A, 103, 103S, 106, 106B, 106C, 106D, 107, 107B, 107C, 107D,108,108A,108B,108C,115,151,152,152C,152D,153,153C,153D,155,156,157,158, 158A,158B,158C,159,159A,159B,159C,160,160A,160B,160C,161,161A,161B,161C,162,162A,162B,162C,163,163A, 163B,163C,164,164A,164B,164C,165,165A,165B,165C,166,166A,166B,166C,167,167A,167B,167C,168,168A,168B, 168C,169,169A,169B,169C,170,170A,170B,170C,171,171A,171B,171C,172,172A,172B,172C,173,173A,173B,173C, 174,174A,174B,174C,175,175A,175B,175C,176,176A,176B,176C,177,177A,177B,177C,178,178A,178B,178C,179,1 79A,179B,179C,180,180A,180B,180C,181,182,182A,182B,183, 188,188N,288,200,201,202,203,206,207,208,209,217,230,301,301A,301B,301C,302, 302A,302B,302C,303,303A,303B,303C,307,307A,307B,307C,308,308A,308B,308C,309,309A,309B,309C,310,310A, 310B,310C,388,488,588,588B,588C,588S,666,818,901,902,903,904,905,906,907,908,909,910,K201A,K201B,K201C, K201D,K202,K202A,K203, K203A,K202B,K203B,K204,K205,K206,K207,K208,K209,K210,K211,K212,K213,K214, K215,K216,K217,K218,K219,K220,K221,K222,K223,K221B,K222B,K221A,K222A, K221-1,K222-1,K221B-1,K222B-1,K221A-1,K222A-1,K221-2, K222-2, K221B-2, K222B-2, K221A-2,K222A-2,K223,K223A,K223B,K224,K224A,K224B,K225,K226,K226A,K227, K227A,K228,K228A,K229,K229A,K230, K230A,S401A, S401B, S402, S403, S404,S405, S405A,S405B,S406A,S406B,S406,S407,S408,S409,S410,P501,P502,P503,P504,P505, P505A,P506,P506A,P507,P507A,P508,P508A,P509,P509A,P510,P510A,P511,P511A P512,P512A,2088,1701,1702,1703,1704,1705,1706,1707,1708,1709,1710,T901,T902, T903,T904,T905,T906,B101,B102, B103, B104, B105, B105A, B105B, B105C, B105D, B101, B102, B103, B104, B105, B106, B107, B108, B109, B109S, B110, B111, B112, B113, B114, B115, B116, B117, B118, B119, B120,D701, D701A, D702, D702A, D703, D703A, D704, D705, D706, D707, D708, D709, D710, D711, D712, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, KB-8012 · MWF5 · NMWF5 · MWFWM5 · VWMMWF5 · MKKWFL5 · MKKWFLWM5BB · MKKWFLWM5GL · MKKWFLWM5KLN · MKKWFLWM5SG · MKKGRD5 · MKKGRDWM5BB · MKKGRDWM5GL · MKKGRDWM5KLN · MKKGRDWM5SG · MGD5 · MGDWM · NMGD5 · MGR5 · NMGR5 · NMSAND5 · MSNDW5 · MSNDWWM5 · MSAND5,VWMMWF5RD) , NCRP12AQ

Remark:
Since the client was not able to provide the sample of additional Style, above additional Style(s) hasn't been tested, but only based on the guarantee letter provided by the client. Bureau Veritas-CPS takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the client. The client will take the responsibility of all discrepancy and risk.

END