

TEST REPORT

Applicant : FIREGOD S.R.L.
Address : Via Ottavio munerati 31 Padova(PD) 35143 ITALY
Sample description : GRIGLIA SALVASPAZIO
Model no. : FG202404/FG202405
Material no. : Stainless steel 201 furnace body + stainless steel 304 grill
Product material : Stainless steel 201 furnace
body + stainless steel 304 gril
Country of destination : EU
Country of origin : China
Sample received date : 25-Oct-2024
Turn around time : 25-Oct-2024 To 21-Mar-2025

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Overall Migration	Italian Ministerial Decree of 21/03/1973	Pass
Specific Release of Heavy Metals	Regulation (EC) No 1935/2004, European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition,2024)	Pass
Extractable Nickel, Chromium III, Manganese	Italian Ministerial Decree of 21/3/1973	Pass

Note: As per client's request, all the test results are quoted from test report EFW524104254-CG-01.

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@cpt.eurofinscn.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to info.sh@cpt.eurofinscn.com and referring to this report number.



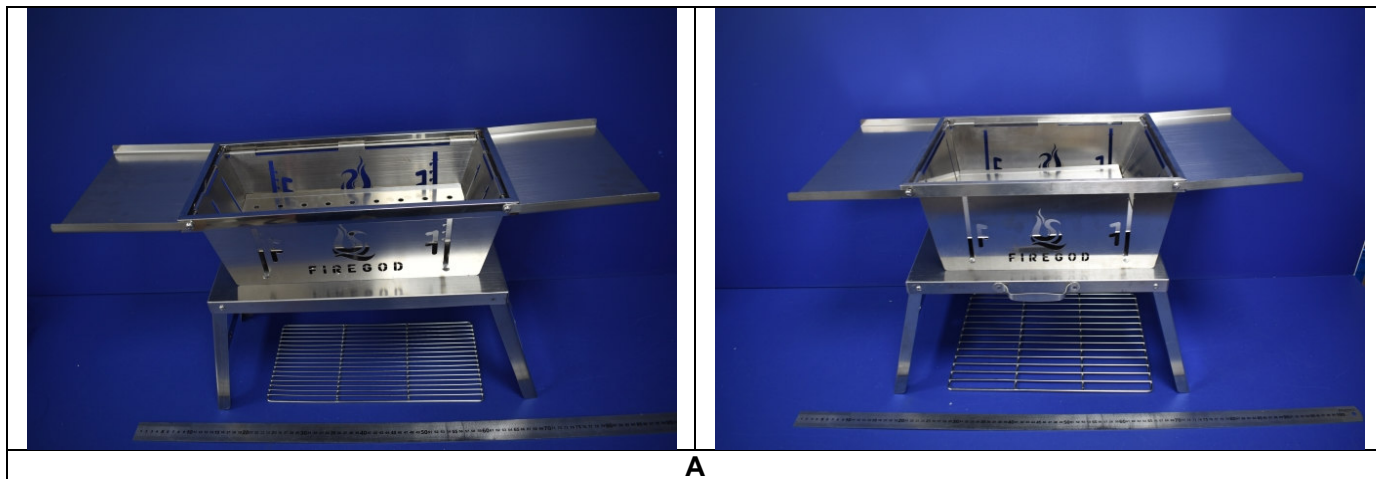
Eurofins (Shanghai) contact information**Customer service:** Sally.Zhang@cpt.eurofinscn.com**Sales specialist:** Rock.Shen@cpt.eurofinscn.com\

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.



Conny Li
FCM Division Assistant Manager

SAMPLE PHOTO(S)**A****EFW524104254-CG-02**

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Silver stainless steel 304 baking mesh	A

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Request: To determine the Overall Migration for compliance with Italian Ministerial Decree of 21/03/1973 Part VI and its amendments, Italian Decree 6 August 2015, No. 195.

Test Method: According to appropriate method of EN1186-3:2022 method 1a, method 2, method 5 for evaporable simulants, EN 1186-2:2022 method 1 for fatty food simulants.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					1		
					1 st	2 nd	3 rd
3% Acetic Acid	0.5h	100° C	mg/dm ²	8	5.4	<3.0	<3.0

Remark:

mg/dm² = milligram per square decimeter

Analytical tolerance of evaporable simulants is 2 mg/dm²

Analytical tolerance of fatty food simulant (olive oil) is 3 mg/dm²

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Release of Heavy Metals

Test Request: To determine specific release of heavy metals for compliance with Regulation (EC) No 1935/2004, European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition,2024).

Test Method: With reference to European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition,2024) for sample preparation and JRC Guidelines on testing conditions for kitchenware articles in contact with foodstuffs for test condition selection, analysis was performed by ICP-MS.

Simulant Used: 0.5% Citric acid

Test Condition: 2h at 100° C

Test Item(s)	Unit	MDL	Result			
			1			
			1 st + 2 nd Migration		3 rd Migration	
			Result	7xSRL ^{*2}	Result	SRL ^{*1}
Aluminum (Al)	mg/kg	0.5	ND	35	ND	5
Antimony (Sb)	mg/kg	0.01	ND	0.28	ND	0.04
Chromium (Cr)	mg/kg	0.05	ND	7	ND	1
Cobalt (Co)	mg/kg	0.005	ND	0.14	ND	0.02
Copper (Cu)	mg/kg	0.5	ND	28	ND	4
Iron (Fe)	mg/kg	5	ND	280	ND	40
Manganese (Mn)	mg/kg	0.01	0.0858	3.85 ^{*4}	0.0208	0.55 ^{*4}
Molybdenum (Mo)	mg/kg	0.01	ND	0.84	ND	0.12
Nickel (Ni)	mg/kg	0.01	ND	0.98	ND	0.14
Silver (Ag)	mg/kg	0.01	ND	0.56	ND	0.08
Tin ^{*3} (Sn)	mg/kg	5	ND	700	ND	100
Vanadium (V)	mg/kg	0.001	ND	0.07	ND	0.01
Zinc (Zn)	mg/kg	0.5	ND	35	ND	5
Arsenic (As)	mg/kg	0.0005	ND	0.014	ND	0.002
Barium (Ba)	mg/kg	0.1	ND	8.4	ND	1.2
Beryllium (Be)	mg/kg	0.001	ND	0.07	ND	0.01
Cadmium (Cd)	mg/kg	0.001	ND	0.035	ND	0.005
Lead (Pb)	mg/kg	0.001	ND	0.07	ND	0.01
Lithium (Li)	mg/kg	0.005	ND	0.336	ND	0.048
Mercury (Hg)	mg/kg	0.0005	ND	0.021	ND	0.003
Thallium (Tl)	mg/kg	0.0002	ND	0.007	ND	0.001
Zirconium(Zr)	mg/kg	0.1	ND	14	ND	2
Magnesium (Mg)	mg/kg	0.1	ND	-	ND	-
Titanium (Ti)	mg/kg	0.1	ND	-	ND	-

Remark:

- (1) (1) mg/kg =milligram per kilogram
- (2) MDL = method detection limit
- (3) ND = not detected (<MDL)
- (4) SRL = Specific Release Limit
- (5) Test condition & simulant were specified by client.
- (6) *1 Compliance is established on the result from the third migration test for repeated used articles.
- (7) *2 Meantime, the sum of the results of the first and second tests should not exceed 7 times the SRL

TO BE CONTINUED

TEST RESULT

- (8) *3 Except in field of application under Commission Regulation (EU) 2023/915
(9) *4 SRL:0.07 mg/kg and 7xSRL:0.49 mg/kg particularly for materials and articles intended for contact with milk, milk products and other non-alcoholic drinks as well as any food especially intended for infants and toddlers; SRL:0.55 mg/kg and 7xSRL:3.85 mg/kg for the others.

Extractable Nickel, Chromium III, Manganese

Test Request: Extractable nickel, chromium III, and manganese specified in the Italian Health Ministry Decree of 21 March 1973 and its amendment to stainless steel.

Test Method: According to the Health Ministry Decree of 21/3/1973, Annex IV, Section II, analysis was performed by ICP-MS.

Simulant Used: 3% Acetic Acid

Test Condition: 30min at 100 °C

Test Item(s)	Unit	Limit	MDL	Result
				1
Nickel (Ni)	mg/kg	0.1	0.05	ND
Chromium III (Cr III)	mg/kg	0.1	0.05	ND
Manganese (Mn)	mg/kg	0.1	0.05	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client.

Three successive migrations conducted and determination from the third duration.

END OF THE REPORT