

Test report n°: **21RP00114** dated **18/01/2021**

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XXXXXXXXXXXXXXXXXXXXXX

Acceptance Data

Subject of the test: **Steel**

Transport: **Customer**

Date of arrival: **09/12/2020** Time of arrival: **13.21**

Acceptance date: **09/12/2020**

Sample data (C)

Description: **5 x 5 cm stainless steel plates treated with PhotoACTIVE® Food Contact**

Sampling data

Sampling by: **Customer**

Place: **Customer location**

follows Test report n°: **21RP00114** dated **18/01/2021**

Parameter - Specification <i>Method - Notes</i>	M.U.	Results Notes	LoQ	LoD	Test start Test end
Overall migration into aqueous food simulant by total immersion EN 11861:2002 + EN 11863:2002					18/01/21
Simulant used		B - Acido acetico al 3% (p/v)			
Temperature of the test	°C	40			
Duration of contact		10 giorni			
Global migration of the sample 1 in the simulant solvent	mg/dmf	NQ			
Global migration of the sample 2 in the simulant solvent	mg/dmf	NQ			
Global migration of the sample 3 in the simulant solvent	mg/dmf	NQ			
Average Global migration in the simulant solvent	mg/dmf	NQ			
Global migration of the sample 1 in the simulant solvent	mg/kg	NQ			
Global migration of the sample 2 in the simulant solvent	mg/kg	NQ			
Global migration of the sample 3 in the simulant solvent	mg/kg	NQ			
Average Global migration in the simulant solvent	mg/kg	NQ			
Aluminium (as Al) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Antimony (as Sb): Specific migration EPA 6010D:2018		NQ			22/12/20 23/12/20
Chromium (as Cr) - Specific migration EPA 6010D:2018		0,12			22/12/20 23/12/20
Cobalt (as Co) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Copper (as Cu) - Specific Migration EPA 6010D:2018	mg/kg	0,031			22/12/20 23/12/20
Iron (as Fe) - Specific Migration EPA 6010D:2018	mg/kg	2,2			22/12/20 23/12/20
Magnesium (as Mg) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Manganese (as Mn) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Molybdenum (as Mo) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Nichel (as Ni) - Specific Migration EPA 6010D:2018	mg/kg	0,14			22/12/20 23/12/20
Silver (as Ag) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20

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Parameter - Specification <i>Method - Notes</i>	M.U.	Results Notes	LoQ	LoD	Test start Test end
Tin (as Sn) - Specific migration EPA 6010D:2018		0,11			22/12/20 23/12/20
Titanium (as Ti) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Vanadium (as V) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Zinc (as Zn) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Arsenic (as As) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Barium (as Ba) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Beryllium (as Be) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Cadmium (as Cd) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Lead (as Pb) - Specific migration EPA 6010D:2018		0,010			22/12/20 23/12/20
Litium (as Li) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Mercury (as Hg) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20
Thallium (as Tl) - Specific Migration EPA 6010D:2018	mg/kg	NQ			22/12/20 23/12/20

If the sampling is not the responsibility of Chimicambiente srl, the latter declines all responsibility with regard to sampling information as provided by the Customer; the test results refer only to the sample as received. When these data include measurements that affect the measurement unit, the results expressed are obtained by processing them. The Acceptance Data is the responsibility of the Laboratory while the data relating to the sample are marked with a "C" if it is the responsibility of the Customer/Client. If the sample is not suitable but the Customer/Client chooses to continue anyway, the laboratory declines all responsibility for the results that could be influenced by the deviation

LEGEND: **U.M.** = Unit of measurement; **(Sup)** = upper limit; **(Inf)** = Lower Limit ; **LoQ** = limit of quantification, it is the lower limit of concentration above which it is possible to obtain a quantitative measurement instrumentally; in microbiology the LoQ is of a theoretical nature; **LoD** = limit of detectability, is the lower limit of concentration below which the sample cannot be detected; in qualitative analyzes it represents the minimum concentration at which an analyte can be determined or not; **NQ** = unquantifiable, indicates a value less than LoQ; **NR** = not detectable, indicates a value lower than LoD; "<x" or ">x" respectively indicate a value lower or higher than the measuring range of the test, where x is the result; **N.A.** = Not applicable to the test; **M.I.** = Internal Method

(m): Indicates a change from the previous version of the Test Report.

(e): Indicates that the parameters/activities are performed in subcontracting.

The analytical results refer exclusively to the sample under test.

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UNLESS OTHERWISE SPECIFIED: Quantitative microbiological tests are performed on single replica and two consecutive dilutions in accordance with UNI EN ISO 7218: 2013; the results of this test report are not corrected for recovery factors (R) as the values of recovery are in the tolerance specified in the test method; summations are calculated using the criterion of the lower bound (L.B.)

The uncertainty is expressed in units of measurement of the parameter to which they relate. The coverage factor is equal to k=2 with a probability range of 95%.

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Technical Director

Gioachin Dr. Carlo
Chemist

Ordine Interprov. Chimici del Veneto - Padova n° 860 SEZ. A

----- End of Test Report -----

ATTACHMENT TO THE TEST REPORT n°: 21RP00114

Conformity Judgment

With regard to the analytical phases and the analyzed parameters, the sample under examination is COMPLIANT to come into contact with food substances.

Legislative references: D.M.72 of 09/05/2019 updating the Ministerial Decree 21/03/73
Reg. 1935/2004

The calculations were carried out assuming that 1 kg of food comes into contact with 6 dm² of product.

DECISION MAKERS:

In the event that, considering the uncertainty, the conformity of the result is not clear, the laboratory has decided to rely on the test result not taking into account the uncertainty of measurement but through the direct comparison of the result obtained with the reference value.

Technical Director

Gioachin Dr. Carlo
Chemist

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