

CUSTOMER

PANCERA TUBI E FILTRI S.R.L.**Via Zottole, 59/A****46027 SAN BENEDETTO PO MN**

MODENA, li 20/07/2023

Sample arrived on the 24/03/2023

Registration date 27/03/2023

TEST REPORT nr. 23C20028-In-0**SAMPLE 23C20028****MATRIX Plastic materials**

Description provided by Customer: PVC PIPE FOR WATER WELLS

SAMPLE PREPARED BY: CUSTOMER, TRANSPORT MADE BY COURIER

Sample Condition on Receipt: 20°C

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LO	LD	METHOD	ANALYSES BEGINNING DATE / ENDING DATE
Determination of overall migration test in distilled water at 40°C for 24 h (D.M. 06-04-2004, n.174) - D.M. 174 del 06/04/2004 60	9,4	± 1,9		mg/kg	1		DM 06/04/2004 GU n 166 17/07/2004 All Ille Sezione 1	27/03/2023 / 19/04/2023
Specific migration of vinyl chloride monomer in distilled water	< LQ			mg/kg	0,010		* CVM 2016 Rev.6 - GC-MS-MS	27/03/2023 / 18/04/2023
Detection of coloring substances migration in distilled water - Limite (D.M. 21/03/1973 e smi): >95%	Optical transmission between 400 and 750 nm >97%						DM 21/03/1973 GU n° 104 20/04/73 All IV Sez 7 - UV-VIS	27/03/2023 / 19/04/2023

Results compliance evaluation::

On the basis of the tests carried out, the sample subjected to analysis, complies with the migration limits set by Ministerial Decree No 174 of 06/04/2004, regulation on materials and objects that can be used in fixed collection facilities, treatment, supply and distribution of water intended for human consumption.

Notes and method reference:

The migration tests were carried out by immersion of specimens, with a surface ratio /volume of 0,7 cm²/cm³ after washing in running water for 30 minutes and then rapid rinsing with distilled water.

The analytical value is expressed in mg/kg on the basis of the conventional surface ratio / volume of 6 dm² per kg of water.

< LQ: = lower than Quantification Limit.

U: the reported uncertainty is the expanded uncertainty calculated using a coverage factor equal to 2 which gives a reliability of approximately 95%. The measurement uncertainty data is not synonymous with a certain form of positivity but only with the performance of the method.

MICROBIOLOGICAL TESTS: for food and environmental samples, the extended measurement uncertainty was estimated according to ISO 19036:2019 Standard and is based on a standard uncertainty multiplied by a coverage factor of K = 2, providing a confidence level of approximately 95%. The combined standard uncertainty was assumed to be equal to the standard deviation of intra-laboratory reproducibility. The results of the microbiological tests are calculated according to the ISO 7218: 2007 / Amd 1: 2013 Standard.

If the results are reported as <4 (CFU/ml) or <40 (CFU/g), this means that the microorganisms are present in the sample but in amounts less than 4 CFU/ml or 40 CFU/g respectively. For microbiological analyses unless differently reported in the individual test methods, in case of analytical steps foreseen in non-activity days of the laboratory, provisions of the ISO 7218: 2007 / Amd.1 2013 Standard (points 11.2 and 10.2.5) or from specific test methods are applied. In the case of quantitative microbiological tests, these have been set up on a single plate according to ISO 7218:2007/Amd.1 2013 par. 10.2.2 unless otherwise expressly requested by current regulations. In the case of quantitative microbiological tests, these have been set up on a single plate in accordance with ISO 7218:2007/Amd.1 2013 par. 10.2.2 unless otherwise explicitly required by current regulations.

For waters, the measurement uncertainty corresponds to the confidence interval calculated according to ISO 8199: 2018 or to the expanded measurement uncertainty estimated according to ISO 29201: 2012. The results are issued in accordance with ISO 8199: 2018. When the number of colonies detected is <3, the result is expressed as "Microorganisms present in the analyzed volume (N ° colonies detected <3 CFU - reference ISO 8199: 2018, paragraph 9.1.8.4.1)".

LQ: Quantification Limit. It is the lowest analyte concentration which can be detected at an acceptable precision (repeatability) and accuracy, under well defined conditions. It should be noted that each result expressed as '<LQ' does not in any case indicate the absence of the parameter sought in the sample under examination.

LD: Detection Limit. It is the lowest analyte concentration which can be detected but not necessarily quantified, under well defined conditions.

Any fields not filled in the Test Report are to be considered not applicable.

Conformity evaluation: values not complying with laws, decrees, national and EU regulations or specifications supplied by the customer are evaluated case by case, also taking into consideration the uncertainty of measure for each single test and the regulations on rounding-off of values, and pointed out when considered as non conform.

Rec %: Recovery % "+" means that the recovery has been applied to the result. The numeric results between brackets (..) after the expression <LQ are purely indicative of traces that cannot be exactly quantified. The test report shows the community MRLs contemplated by Reg 396/2005 and subsequent amendments. The technical staff is available to verify the possibility of use the active substance in Italy on the crop.

In the case of sampling carried out by Neotron, the laboratory applies the Internal Operating Procedure code: NEOT-DIR/ 006/53.

The laboratory disclaims any responsibility for the information provided by the client reported in this Report which may influence the validity of the results.

Next page...**NEOTRON SpA** - With Sole Shareholder

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Laboratorio Qualificato D.M. 26-2-87 Art. 4 - Legge 46/82 per la Ricerca Applicata e Innovazione Tecnologica.

Regione Emilia Romagna - AUTORIZZAZIONE Autocontrollo N° 008/MO/008

BNN-Monitoring Fruit and Vegetables Approved Laboratory

GMP+ code: GMP051757

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MATRIX Plastic materials

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Sample Condition on Receipt: 20°C

ANALYSIS DESCRIPTION	RESULT	U	REC. N.	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSIS BEGINNING DATE / ENDING DATE
Determination of overall migration test in distilled water at 40°C for 24 h (D.M. 06-04-2004, n.174) - D.M. 174 del 06/04/2004 60	9,4	+ 1,9		mg/kg	1		DM 06/04/2004 GU n° 166 17/07/2004 All. IIIc Sezione 1	27/03/2023 / 18/04/2023
Specific migration of vinyl chloride monomer in distilled water Detection of coloring substances migration in distilled water - Limite (D.M. 21/03/1973 e sm): >95%	< LQ			mg/kg	0,010		* CVM 2016 Rev.6 - GC-MS-MS DM 21/03/1973 GU n° 104 20/04/73 All. IV Sez 7 - UV-VIS	27/03/2023 / 18/04/2023
							Optical transmission between 400 and 750 nm >97%	27/03/2023 / 18/04/2023

Results compliance evaluation::

On the basis of the tests carried out, the sample subjected to analysis, complies with the migration limits set by Ministerial Decree No 174 of 06/04/2004 , regulation on materials and objects that can be used in fixed collection facilities, treatment, supply and distribution of water intended for human consumption.

Notes and method reference:

The migration tests were carried out by immersion of specimens, with a surface ratio /volume of 0,7 cm²/cm³ after washing in running water for 30 minutes and then rapid rinsing with distilled water.

The analytical value is expressed in mg/kg on the basis of the conventional surface ratio / volume of 6 dm² per kg of water.

* LQ: = lower than Quantification Limit.

U: the reported uncertainty is the expanded uncertainty calculated using a coverage factor equal to 2 which gives a reliability of approximately 95%. The measurement uncertainty data is not synonymous with a certain form of positivity but only with the performance of the method.

MICROBIOLOGICAL TESTS: for food and environmental samples, the extended measurement uncertainty was estimated according to ISO 19038:2019 Standard and is based on a standard uncertainty multiplied by a coverage factor of K = 2, providing a confidence level of approximately 95%. The combined standard uncertainty was assumed to be equal to the standard deviation of intra-laboratory reproducibility. The results of the microbiological tests are calculated according to the ISO 7218: 2007 / Amd 1: 2013 Standard.

If the results are reported as <4 (CFU/ml) or <40 (CFU/g), this means that the microorganisms are present in the sample but in amounts less than 4 CFU/ml or 40 CFU/g respectively. For microbiological analysis unless differently reported in the individual test methods, in case of analytical steps foreseen in non-activity days of the laboratory, provisions of the ISO 7218: 2007 / Amd.1 2013 Standard (points 11.2 and 10.2.5) or from specific test methods are applied. In the case of quantitative microbiological tests, these have been set up on a single plate according to ISO 7218:2007/Amd.1 2013 par. 10.2.2 unless otherwise expressly requested by current regulations. In the case of quantitative microbiological tests, these have been set up on a single plate in accordance with ISO 7218:2007/Amd.1 2013 par. 10.2.2 unless otherwise explicitly

Results compliance evaluation:

For waters, the measurement uncertainty corresponds to the confidence interval calculated according to ISO 8190: 2018 or to the expanded measurement uncertainty calculated according to ISO 8190: 2018. When the number of colonies detected is <3, the result is expressed as "less than 3" according to ISO 8190: 2018, paragraph 9.1.3.4.17.

LQ: Quantification Limit. It is the lowest analyte concentration which can be detected at an acceptable precision (repeatability) and accuracy under well defined conditions. It should be noted that each result expressed as "LQ" does not in any way indicate the absence of the parameter sought in the sample under examination.

LD: Detection Limit. It is the lowest analyte concentration which can be detected under well defined conditions.

Any fields not listed in this report are not applicable.

On the basis of the tests carried out, the sample subjected to analysis, complies with the migration limits set by Ministerial Decree No 174 of 06/04/2004 , regulation on materials and objects that can be used in fixed collection facilities, treatment, supply and distribution of water intended for human consumption.

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SAMPLE 23C20028
MATRIX Plastic materials

Methods marked with an asterisk (*) are not accredited by ACCREDIA (UNI CEI EN ISO/IEC 17025). The sampling activity is not included within the Scope of Accreditation of Neutron SPA

TEST REPORT VALID FOR ALL LEGAL PURPOSES (Italian R.D. 1-3-1928 n°842 (article 16), – Italian Law 19-7-1957 n°679 articles 16 and 18, Italian Ministerial Decree 25-3-1986).
DATA and SAMPLE STORAGE: Test Reports, Raw data, chromatographic paths and instrumental reports are stored for 5 years. One control sample is stored for 2 months.
Data expressed in this test report refer only to the sample tested in the laboratory. The results reported in this Test Report refer to the sample as received. The description or any other reference concerning the sample are declared by the customer. This Test Report cannot be reproduced except in full. Partial reproductions must be authorized in writing by our laboratory.

THE LABORATORY DIRECTOR: DR. ANDREA RIZZO
THE CHEMIST AUTHORIZED TO SIGN THE TEST REPORTS: DR. MARCO MESCHIARI
(IN HIS ABSENCE, THE AUTHORIZED CHEMIST SIGNS DR. BARBARA MALAGOLI)

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IMAGES 23C20028



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