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TEST REPORT

N° 25-FC02723

Sample identification number: 25-FC02723
(C) Sample description: PVC Pipe for water wells
(C) Sampled by: Customer (§)
Pick-up made by: Courier
(C) Customer: PANCERA TUBI E FILTRI SRL
Via Zottole, 59/A
SAN BENEDETTO PO 46027 MN
Arrival date: 01/12/2025

RESULTS

Test Method	Chemical parameters	Results	unc	u.m.	LOQ	Limits	o.u.	Note	Start date	End date
* Time and Temperature										
*	Time	24.0		hour					01/12	01/12
*	Temperature	40.0		°C					01/12	01/12
*	Overall migration in water by immersion *DM 21/03/1973 GU n° 104 20/04/1973 All IV sez 1 DM 26/04/1993 GU n° 162 13/07/1993 All III DM 22/07/1998 GU 228 30/09/1998 DM 06/08/2015 GU n° 288 11/12/2015*	8.17	±1.63	mg/dm²	0.5	10	0_A		01/12	15/12
*	Reply A	8.19		mg/dm²	0.5				01/12	15/12
*	Reply B	8.03		mg/dm²	0.5				01/12	15/12
*	Reply C	8.28		mg/dm²	0.5				01/12	15/12
	Colorants specific migration in water by immersion *DM n°34 21/03/1973 SO GU n°104 20/04/1973 All IV Sez 7*	> 98		%T		>95	0_A		24/12	30/12
*	Content of Vinyl chloride monomer *MP/C/1108 rev 0 2015*	*< 0.1*		mg/kg	0.1	1	0_A		01/12	18/12
	19 METALS SPECIFIC MIGRATION IN WATER *UNI EN 13130-1:2005 + MP/C/0985 rev 1 2015*						0_A			
	Specific migration of Antimony in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.01*		mg/kg	0.01	0.04	0_A		01/12	16/12
	Specific migration of Arsenic in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.001*		mg/kg	0.001	0.01	0_A		01/12	16/12
	Specific migration of Europium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.01*		mg/kg	0.01	0.05	0_A		01/12	16/12
	Specific migration of Gadolinium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.01*		mg/kg	0.01	0.05	0_A		01/12	16/12
	Specific migration of Lanthanum in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.01*		mg/kg	0.01	0.05	0_A		01/12	16/12

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N° 25-FC02723

Test Method	Chemical parameters	Results	unc	u.m.	LOQ	Limits	o.u.	Note	Start date	End date
	Specific migration of Mercury in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.0001*		mg/kg	0.0001	0.01	0_A		01/12	16/12
*	Specific migration of the sum of lanthanides (Eu+Gd+La+Tb) in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.01*		mg/kg	0.01	0.05	0_A		01/12	16/12
	Specific migration of Terbium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.01*		mg/kg	0.01	0.05	0_A		01/12	16/12
	Specific migration of Aluminum in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.1*		mg/kg	0.1	1	0_A		01/12	16/12
	Specific migration of Barium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.1*		mg/kg	0.1	1	0_A		01/12	16/12
	Specific migration of cadmium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	16/12
	Specific migration of Cobalt in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	0.001		mg/kg	0.001	0.05	0_A		01/12	16/12
	Specifici migration of Chromium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.002*		mg/kg	0.002	0.01	0_A		01/12	16/12
	Specific migration of iron in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.1*		mg/kg	0.1	48	0_A		01/12	16/12
	Specific migration of Lithium in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.05*		mg/kg	0.05	0.6	0_A		01/12	16/12
	Specific migration of Manganese in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.05*		mg/kg	0.05	0.6	0_A		01/12	16/12
	Specific migration of Nickel in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.001*		mg/kg	0.001	0.02	0_A		01/12	16/12
	Lead specific migration in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.001*		mg/kg	0.001	0.01	0_A		01/12	16/12
	Specific migration of copper in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.1*		mg/kg	0.1	5	0_A		01/12	16/12
	Specifici migration of Zinc in water *Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 Reg UE 2016/1416 24/08/2016 GU UE L230/22 25/08/2016 Reg UE 2020/1245 02/09/2020 GU UE L288 03/09/2020, UNI EN 13130-1:2005, EPA 6020B 2014*	*< 0.2*		mg/kg	0.2	5	0_A		01/12	16/12
	PRIMARY AROMATIC AMINES SPECIFIC MIGRATION IN WATER *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*						0_A			

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N° 25-FC02723

Test Method	Chemical parameters	Results	unc	u.m.	LOQ	Limits	o.u.	Note	Start date	End date
*	2,2'-dichloro-4,4'-methylenedianiline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	4,4-Methylenedianiline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	4,4-Diaminodiphenylether specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	4-Chloro-Aniline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	p-Phenylendiamine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.002*		mg/kg	0.002		0_A		01/12	15/12
*	3,3'-Dimethoxybenzidine o-Dianisidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	3,3-Dimethylbenzidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	2-Methoxy-5-Methylaniline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	2,4,5-Trimethylaniline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
*	4,4'-thiodianiline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
*	4-Aminoazobenzene specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	4-Methoxy-m-phenylenediamine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	Aniline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001		0_A		01/12	15/12
	2,6-Toluenediamine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001		0_A		01/12	15/12
	4,4-Methylenedi-o-toluidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	2,6-Dimethylaniline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001		0_A		01/12	15/12
	o-Anisidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
*	2-naphthylamine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
*	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	4-aminobiphenyl specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	o-Toluidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	2,4-Dimethyllaniline specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001		0_A		01/12	15/12
	4-Chloro-o-Toluidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	2,4-Toluenediamine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12

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Test Method	Chemical parameters	Results	unc	u.m.	LOQ	Limits	o.u.	Note	Start date	End date
*	o-aminoazotoluene,4-amino-2',3-dimethylazobenzene,4-o-tolylazo-o-toluidine sp mig. in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
*	5-nitro-o-toluidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	Benzidine specific migration in water *UNI EN 13130-1:2005, JRC IHCP EU RL FCM Aromatic amines rev 1 2011*	*< 0.001*		mg/kg	0.001	0.002	0_A		01/12	15/12
	PHTHALATES SPECIFIC MIGRATION IN WATER *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*						0_A			
*	Bis(2-ethylhexyl)phthalate (DEHP) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1	0.6	0_A		01/12	15/12
*	DNOP (di-N-octyl-phthalate) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1		0_A		01/12	15/12
*	DIDP (Diisodecyl phthalate) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1		0_A		01/12	15/12
*	Diisooctyl phthalate (DIOP) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1		0_A		01/12	15/12
*	Di-iso-nonil-phthalate (DINP) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1	1.8	0_A		01/12	15/12
*	DEP (di-etil-phthalate) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1		0_A		01/12	15/12
*	DIBP (Di-isobutyl phthalate) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1	60	0_A		01/12	15/12
*	DBP (di-butyl phthalate) specific migration in water *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1	0.12	0_A		01/12	15/12
*	BBP (n-butyl benzyl phtalate) *UNI EN 13130-1:2005 + MP/C/1112 rev 0 2015*	*< 0.1*		mg/kg	0.1	6	0_A		01/12	15/12
*	ORGANOLEPTIC TEST *DIN 10955:2024*						0_A			
*	Taste (average value) *DIN 10955:2024*	0.5					0_A		01/12	16/12
*	Odor (average value) *DIN 10955:2024*	0.0					0_A		01/12	16/12

Legend:
unc = uncertainty; u.m. = unit of measurement; LOQ (limit of quantification); o.u. (operative unit); 0_A (test performed at o.u. Barberino Tavarnelle - FI, Sangallo street); 0_B (test performed at o.u. Barberino Tavarnelle - FI, Bramante street); II (mobile lab.); III (external analysis); LE.# (Subcontracted Test performed by a different lab.);

(* not accredited test by ACCREDIA)

(§) The laboratory declines all responsibility for sampling.

(C) Information provided by the Client/Third Party. The laboratory accepts no responsibility for results obtained from calculations using data provided by the Client/Third Party.

Limits referred to Reg. UE 10/2011 and its amendments

NOTES

English translation of the original italian test report 25-FC02722
Ratio S/V = 9.2 dm2/l

- For Chemical test, expanded uncertainty is referred to 95% confidence level. Coverage factor k=2.
- The limit of determination (LOD) results as 3/10LOQ if not indicated otherwise.

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- The Laboratory uses the point as decimal separator.
- Where a declaration of conformity to a specification or standard is required, unless the decision rule is already contained in the specification or standard itself, the laboratory shall adopt as its decision rule the direct comparison with the limit without taking into account the uncertainty.
- Sums of multiple analytes are calculated using the “lower bound” criteria, unless otherwise indicated. The LOQ value of the sum corresponds to the highest LOQ among the analytes in the sum.

NOTES AND GENERAL EVALUATIONS:

Limited to the parameters analyzed, the sample complies with Reg. EU 10/2011 and its amendments, with DM 21/03/1973 and its amendments and with DM 174/2004 and its amendments

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N° 25-FC02723

Sensorial test

The method DIN 10955 describes a procedure for assessing the suitability organoleptic of primary packaging for food.

Odor test:

Method: DIN 10955 §11.5 (testing for difference in odour from the standard sample)

Conditioning mode: 24h at 40°C

Taste test:

Method: DIN 10955 §11.6 (taint test)

Conditioning mode: 24h at 40°C

Food simulant: drinking water

Sensorial test

Each judge is provided with his own container with the simulant (closed and covered with aluminium foil), a reference and an evaluation form. The judge proceeds with odor and taste tests. If a repetition is required, the container must be kept closed for at least 2 min.

	Odor test		**Taste test**	
	Average	Standard deviation	Average	Standard deviation
Score	0.0	0.3	0.5	0.4

Number of assessors: 6

Type of test: Score test

The test score is an assessment of the intensity of the modification of the taste of the food simulant, according to a 5-point structured scale. For each assessor is asked to taste two encoded portions of simulant one of which was in contact (direct) with the specimen and the other is not, and assign a score according to the following scale:

0	No perceptible difference in taste/odour
1	Just perceptible difference in taste/odour (still difficult to define)
2	Slight difference in taste/odour
3	Marked difference in taste/odour
4	Strong difference in taste/odour

Based on the results obtained from the sensory test, the examined object meets the requirements of Art.3 of Reg. (EC) 1935/2004.

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00069

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- The results refer to the sample as received.
- The reported results only refer to the tested sample. Sample conditions at the arrival are recorded in the laboratory managing system.
- pH is registered under number 013 on the regional list of approved laboratories for analysis in the context of self-control procedures in the food industry (LR Tuscany No. 9 09/03/2006).

Date, 08/01/2026



as per Technical Manager
dott. Patrizio Nuti

Number of documents
attached to this Test Report: **1**

--- End of Test Report ---

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ATTACHED n.1 to the Test Report N° 25-FC02723



photo n. 1

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