Accredited laboratory ACCREDIA n°191
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Centro Assistenza
Ecologica S.r.l.

LAB N° 0191L

Spett.
SESTA SRL
Via Lancia,snc - Contrada Olivola
821000 BENEVENTO BN
IT

Test report n°: 23LA02534 . Release date 26/04/2023

Category: **Materials & objects in contact with drinking water**
Sample reference: **DW - 8231 BU0247**
Articles: **Sample for Annual Monitoring**
Date received: **06/04/2023**
Sampled by: **IMA Dresden** Sampling date: **22/03/2023** Delivered by: **Courier**
Place of sampling: **Sesta Srl - Benevento**
Project Number: **6229/5989/310323**
Field of application (#): **PIPE 16 x 2,0**
Product Group (#): **P1**
Material Manufacturer (#): **Silon-Yparex**
Product Name (#): **Multilayer Pipe PE-Xb/Al/PE-Xb**
Colour of the material (#): **Natural**
Convertion Factor (Fc) (#): **20**

Lot Number of Product (#): **30SB 2° Turno**

23LA02534/01 Cold Water Test (23°C)

Characteristics *Test method*	Units	Results	Uncertainty	Limit 1	Limit 2	Start Test End Test
Test carried on sample as received						
Testing Conditions *UNI EN 1420:2016 + UNI EN 12873-1:2014*		-				06/04/23 11/04/23
Test water type		**Not Chlorinated**				06/04/23 11/04/23
Conversion Factor (Fc)	d/dm	**20**				06/04/23 11/04/23
Surface/Volume Ratio	dm£\dm§	**33,4**				06/04/23 11/04/23
Surface area of test piece	dm£	**3,79**				06/04/23 11/04/23
Volume of test liquid	dm§	**0,1**				06/04/23 11/04/23
Number of test pieces used together in a migration		**7**				06/04/23 11/04/23
Temperature	°C	**23**				06/04/23 11/04/23

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23LA02534/01 Cold Water Test (23°C)

Characteristics *Test method*	Units	Results	Uncertainty	Limit 1	Limit 2	Start Test End Test
Test carried on sample as received						
N° of Migration Period		**3**				06/04/23 11/04/23
Contact Time	d	**3**				06/04/23 11/04/23
Sample Prepared According to: UNI EN 1420:2016						
COLOUR *UNI EN ISO 7887 : 2012 - Met. C*	mg/l_Pt/Co	**-**				06/04/23 20/04/23
1st Period		**< 2**				06/04/23 14/04/23
2nd Period		**< 2**				06/04/23 17/04/23
3rd Period		**< 2**		10		06/04/23 20/04/23
TURBIDITY *UNI EN ISO 7027-1:2016*	FNU	**-**				06/04/23 20/04/23
1st Period		**< 0,17**				06/04/23 14/04/23
2nd Period		**< 0,17**				06/04/23 17/04/23
3rd Period		**< 0,17**		0.5		06/04/23 20/04/23
ODOUR *UNI EN 1622:2006*		**-**				06/04/23 20/04/23
Test Temperature	°C	**23**	±2			06/04/23 14/04/23
Preservation Time before test	h	**1**				06/04/23 14/04/23
Number of Assessors		**5**				06/04/23 14/04/23
Reference Water		**Not Chlorinated**				06/04/23 14/04/23
Method Type		**Full Method**				06/04/23 14/04/23
Test Type		**Paired**				06/04/23 14/04/23
TON 1st Period of Migration		**2**				06/04/23 14/04/23
TON 2nd Period of Migration		**1**				06/04/23 17/04/23
TON 3rd Period of Migration		**1**		8		06/04/23 20/04/23
TENDENCY OF FOAMING *UNI EN 1420:2016*		**-**				06/04/23 20/04/23

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23LA02534/01 Cold Water Test (23°C)

Characteristics *Test method*	Units	Results	Uncertainty	Limit 1	Limit 2	Start Test End Test
Sample Prepared According to: UNI EN 1420:2016						
1st Period		**ND**				06/04/23 14/04/23
2nd Period		**ND**				06/04/23 17/04/23
3rd Period		**ND**		N.D.		06/04/23 20/04/23
Sample Prepared According to: UNI EN 12873-1:2014						
MTCtap - TOC *UNI EN 1484:1999*	µg/l	**-**				06/04/23 20/04/23
1st Period		**< 40**				06/04/23 14/04/23
2nd Period		**61**				06/04/23 17/04/23
3rd Period		**< 40**		500		06/04/23 20/04/23

23LA02534/02 Warm Water Test (60°C)

Characteristics *Test method*	Units	Results	Uncertainty	Limit 1	Limit 2	Start Test End Test
Test carried on sample as received						
Testing Conditions *UNI EN 1420:2016 + UNI EN 12873-1:2014*		**-**				06/04/23 11/04/23
Conversion Factor (Fc)	d/dm	**20**				06/04/23 11/04/23
Test water type		**Not Chlorinated**				06/04/23 11/04/23
Surface/Volume Ratio	dm£\dm§	**33,4**				06/04/23 11/04/23
Surface area of test piece	dm£	**3,8**				06/04/23 11/04/23
Volume of test liquid	dm§	**0,1**				06/04/23 11/04/23
Number of test pieces used together in a migration		**7**				06/04/23 11/04/23
Temperature	°C	**60**				06/04/23 11/04/23
N° of Migration Period		**7**				06/04/23 11/04/23
Contact Time	d	**1**				06/04/23 11/04/23
Sample Prepared According to: UNI EN 1420:2016						
COLOUR *UNI EN ISO 7887 : 2012 - Met. C*	mg/l_Pt/Co	**-**				06/04/23 20/04/23

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23LA02534/02 Warm Water Test (60°C)

Characteristics *Test method*	Units	Results	Uncertainty	Limit 1	Limit 2	Start Test End Test
Sample Prepared According to: UNI EN 1420:2016						
1st Period		**< 2**				06/04/23 12/04/23
2nd Period		**< 2**				06/04/23 13/04/23
3rd Period		**< 2**				06/04/23 14/04/23
7th Period		**< 2**			10	06/04/23 20/04/23
TURBIDITY *UNI EN ISO 7027-1:2016*	FNU	**-**				06/04/23 20/04/23
1st Period		**< 0,17**				06/04/23 12/04/23
2nd Period		**< 0,17**				06/04/23 13/04/23
3rd Period		**< 0,17**				06/04/23 14/04/23
7th Period		**< 0,17**			0.5	06/04/23 20/04/23
ODOUR *UNI EN 1622:2006*		**-**				06/04/23 20/04/23
Test Temperature	°C	**23**				06/04/23 14/04/23
Preservation Time before test	h	**3**				06/04/23 14/04/23
Number of Assessors		**5**				06/04/23 14/04/23
Reference Water		**Not Chlorinated**				06/04/23 14/04/23
Method Type		**Full Method**				06/04/23 14/04/23
Test Type		**Paired**				06/04/23 14/04/23
TON 1st Period of Migration		**7**				06/04/23 14/04/23
TON 2nd Period of Migration		**4**				06/04/23 14/04/23
TON 3rd Period of Migration		**6**				06/04/23 14/04/23
TON 7th Period of Migration		**2**			8	06/04/23 20/04/23
TENDENCY OF FOAMING *UNI EN 1420:2016*		**-**				06/04/23 20/04/23

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23LA02534/02 Warm Water Test (60°C)

Characteristics *Test method*	Units	Results	Uncertainty	Limit 1	Limit 2	Start Test End Test
Sample Prepared According to: UNI EN 1420:2016						
2nd Period		**ND**				06/04/23 13/04/23
1st Period		**ND**				06/04/23 12/04/23
3rd Period		**ND**				06/04/23 14/04/23
7th Period		**ND**			N.D.	06/04/23 20/04/23
Sample Prepared According to: UNI EN 12873-1:2014						
MTCtap - TOC *UNI EN 1484:1999*	µg/l	**-**				06/04/23 20/04/23
1st Period		**400**	±100			06/04/23 20/04/23
2nd Period		**447**	±110			06/04/23 20/04/23
3rd Period		**225**				06/04/23 20/04/23
7th Period		**179**			500	06/04/23 20/04/23

Legend: **MIP = Internal test method**

Tests marked by (*) are not credited by ACCREDIA.

Limit 1:Evaluation Criteria Document for plastic and other organic materials in contact with drinking water as 7th March 2022 (3rd amendment) ANNEX A - Cold Water

Limit 2: Evaluation Criteria Document for plastic and other organic materials in contact with drinking water as 7th March 2022 (3rd amendment) ANNEX A - Warm and Hot Water

NOTES

The fields marked with (#) were provided by the customer

Reviews, notes, and comments:

End of test report n° **23LA02534**
Digitally signed file, according to law

Chief of Laboratory
Dott. Chim Simone Giacomelli
Ord.Reg.le Chimici Marche N.557

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