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TEST REPORT

Customer: C0818213

Vialli GmbH
Terminalstrasse Mitte 18
Munich, Bayern
85356
Germany

Revised Report

Result	Limited testing was undertaken on this product for a multilayer pipe with an approved water contact layer. Related test report J-00471176. This product has satisfied the criteria set out in BS 6920: Part 1: 2014 "Specification" and thus is suitable for use with cold water but not hot water.
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Customer Name	Vialli GmbH
Product	VIALLI-De PPR SDR 6 pipe with glass fibre middle layer
Test Undertaken	BS 6920: 2014 - Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water
Job Number	J-00471184
Work Order Number	W0918684

Thank you for having your product tested by NSF Wales Ltd.

Please contact your Account Manager if you have any questions or concerns pertaining to this report.

Report Date 07-JUN-2024
Original issue date: 26-APR-2024

Report Authorisation

Angelo Iannetelli - Specialist II Labs Wales



0626

Result Summary Section

Test	Result
Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 23°C	Pass
Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 85°C	Fail

Sample Details

Date of Receipt of Application Form	19/09/2023
Date of Receipt of Product for Test	23/10/2023
Front Cover Test Description	Limited testing was undertaken on this product for a multilayer pipe with an approved water contact layer. Related test report J-00471176.
Product *	VIALLI-De PPR SDR 6 pipe with glass fibre middle layer
Nature of Material *	PPR
Date Test Sample Manufactured *	13/04/2023
Batch Number *	13-04-2023
Receipt Conditions	Good Condition
Receipt Packaging	Cardboard box
Product Manufacturer *	Vialli Gmbh
Product Manufacturing Site *	Germany
Tradename and Reference of Product *	VIALLI-De PPR SDR 6 pipe with glass fibre middle layer
Method of Manufacture *	Extruded
Typical Use of the Product *	Component in contact with potable water
Layer 1 (Inner) Tradename *	Vialli De PPR
Layer 1 (Inner) Manufacturer *	Vialli Gmbh
Layer 1 (Inner) Material *	PPR
Layer 1 (Inner) Colour *	Green
Layer 2 Tradename *	Sisecam E-Glass Fiber
Layer 2 Manufacturer *	Sisecam Elyaf Sanayi AS
Layer 2 Material *	Glass Fiber
Layer 2 Color *	Red
Layer 3 Tradename *	Vialli De PPR
Layer 3 Manufacturer *	Vialli Gmbh
Layer 3 Material *	PPR
Layer 3 Color *	Green
Nature of Product *	Pipe
Sampling Procedure *	Random
Address of Product Manufacturer *	Terminalstrasse Mitte 18, Munich, Bayern, 85356
Submitting Organization *	Vialli Gmbh

* denotes customer supplied information

Sample Preparation

Description/Appearance of the product	Multilayer pipe. Layer 1 (inner) - Green, opaque. Layer 2 - Red, opaque. Layer 3 - Green, opaque.
Length	1000 mm
Inner diameter	41.8 mm
Outer diameter	63.2 mm
Calibration mark of test container	1 L
Test sample preparation	1 m lengths of the complete pipe were filled with test water and the resulting lechate was subsequently diluted in accordance with BS 6920-2.2.2.
Storage Conditions	As in BS 6920: Part 2: Section 2.1: Clause 5.2

Additional Sample Details

Length of test sample	1 m
Total wall thickness	10.7 mm
Internal surface area of test sample	131318.6 mm2
Volume of test water contained within test sample	1372 mL
Total volume of initial dilution	1 L
Volume of extract water diluted to 1 L	157 mL

Job Attachments:



Photo 1

Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 23°C

Methodology: BS 6920: Part 2: Section 2.2 and in-house method PROC/MAT 004 and 006.

Date Leaching Test Started: 21-FEB-2024

First Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	Lead pencil	None	1

First Extract - Chlorine Free Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	None	None	1

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 4.

Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 85°C

Methodology: BS 6920: Part 2: Section 2.2 and in-house method PROC/MAT 004 and 006.

Date Leaching Test Started: 21-FEB-2024

First Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	Lead Pencil	Not Suitable for flavour - failed odour	2
2	Lead	Not Suitable for flavour - failed odour	2
3	None	Not Suitable for flavour - failed odour	2

First Extract - Chlorine Free Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	None	None	1

Final Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	Stale	Not Suitable for flavour - failed odour	2
2	Wood	Not Suitable for flavour - failed odour	2
3	Plastic	Not Suitable for flavour - failed odour	2

On the basis of these results the samples of this product referred to in this report have been found not to conform to the requirements of BS 6920: Part 1: 2014, Clause 4.



<< **Testing Laboratories** >>

	Flag	Id	Address
All work performed at: (Unless otherwise specified)	→	NSF_WALES	NSF Wales Ltd. NSF Wales Ltd Unit 30 Fern Close Pen-Y-Fan Industrial Estate Oakdale, Newport NP11 3EH, UK

Job Notes:

This report replaces previously issued report with serial# FI20240426103901. This report is being re-issued due to a correction in the client's name. This does not change the overall status of the report.

NOTES

1. This report is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service (UKAS). NSF Wales Ltd is UKAS accredited against ISO/IEC 17025:2017 for testing, laboratory number 0626. For details of the laboratory Schedule of Accreditation please see the UKAS website (www.ukas.com).
2. The laboratory provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes.
3. Reported conformity statements have been applied in line with the decision rule inherent in the applicable testing standard.
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5. Opinions and interpretations in this report are outside the scope of UKAS Accreditation.
6. The results specified in this report relate only to the sample(s) of the product submitted for testing. Any change in the source or nature of the product or materials used in the product, method of manufacture or application could affect the performance of the product.
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