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TEST REPORT

Customer: C0280493

Vialli GmbH
Terminalstrasse Mitte 18
Munich
Germany

Result	Limited testing was undertaken on this product for a multilayer pipe with an approved water contact layer. Related test report J-00486728. This product has satisfied the relevant clauses set out in BS 6920: Part 1: 2014 "Specification" for the tests detailed in this report.
Customer Name	Vialli GmbH
Product	Vialli – De PP-RCT Pipes SDR 6 (with Aluminium 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-00486730
Work Order Number	W0889102

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 14-FEB-2025

Report Authorisation

Eleanor Burger - Senior Project Manager Labs



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	Pass

Sample Details

Date of Receipt of Application Form	02-NOV-2023
Date of Receipt of Product for Test	16-AUG-2024
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-00486728.
Product *	Vialli – De PP-RCT Pipes SDR 6 (with Aluminium Layer)
Nature of Material *	PP-RCT
Date Test Sample Manufactured *	14-DEC-2023
Batch Number *	Not provided.
Receipt Conditions	Good Condition
Receipt Packaging	Plastic wrap
Product Manufacturer *	Vialli GmbH
Product Manufacturing Site *	Germany
Tradename and Reference of Product *	Vialli – De PP-RCT Pipes SDR 6 (with Aluminium Layer)
Method of Manufacture *	Extruded
Typical Use of the Product *	Conveyance of potable water.
Layer 1 (Inner) Tradename *	VIALLI-De PP-RCT
Layer 1 (Inner) Manufacturer *	VIALLI GmbH
Layer 1 (Inner) Material *	PP
Layer 2 Tradename *	Vialli Aluminium
Layer 2 Manufacturer *	VIALLI GmbH
Layer 2 Material *	Aluminium
Layer 3 Tradename *	VIALLI-De PP-RCT
Layer 3 Manufacturer *	Vialli GmbH
Layer 3 Material *	PP
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, opaque, rigid pipe. Layer 1 (inner) - Green, opaque. Layer 2 - Silver, opaque. Layer 3 - Green, opaque.
Inner diameter	15.75 mm
Outer diameter	25.6 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	4.8 mm
Internal surface area of test sample	49480.1 mm ²
Volume of test water contained within test sample	195 mL
Total volume of initial dilution	1 L
Volume of extract water diluted to 1 L	59 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: 29-JAN-2025

First Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	None	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: 27-JAN-2025

First Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	Not Suitable for flavour - failed odour	2
2	Sharp	Not Suitable for flavour - failed odour	2
3	Stale	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	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.

<< 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

NOTES

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