



**Customer: C0273416**

Jain Irrigation Systems Ltd  
Jain Plastic Park  
Bambhori  
Jalgaon, MM 425001  
India

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**Result** Limited testing was undertaken on this product in accordance with WRAS Material Guidance document, Table 1 (clause I - Change in the method of manufacture of an approved thermoplastic material). Related test report J-00438810. This product has satisfied the criteria set out in BS 6920: Part 1: 2014 "Specification" and thus is suitable for use with hot (up to 65°C) and cold water.

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Customer Name	Jain Irrigation Systems Ltd
Product	Jain HDPE Fittings PE 100 (Blue) extruded, 90° bend made from Opalene HDPE HM P50H03
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-00438847
Work Order Number	W0790467

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**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** 23-JAN-2023

**Report Authorisation**

Michael Bustin - Materials Testing Manager



0626

## Result Summary Section

<b>Test</b>	<b>Result</b>
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 - 65°C	Pass

## Sample Details

Date of Receipt of Application Form	25/07/22
Date of Receipt of Product for Test	15/08/22
Front Cover Test Description	Limited testing was undertaken on this product in accordance with WRAS Material Guidance document, Table 1 (clause I - Change in the method of manufacture of an approved thermoplastic material). Related test report J-00438810.
Product *	Jain HDPE Fittings PE 100 (Blue) extruded, 90° bend made from Opalene HDPE HM P50H03
Nature of Material *	Polyethylene
Date Test Sample Manufactured *	11/06/22
Batch Number *	202206111002
Receipt Conditions	Good Condition
Receipt Packaging	Cardboard Box
Product Manufacturer *	Jain Irrigation Systems Ltd
Product Manufacturing Site *	India
Tradename and Reference of Product *	Jain HDPE Pipe PE 100 (Blue)
Method of Manufacture *	Extrusion
Typical Use of the Product *	Component in contact with potable water
Material Manufacturer *	ONGC Petro Additives Ltd
Tradename and Reference of Material *	Opalene HDPE HM P50H03
Nature of Product *	Fitting
Sampling Procedure *	Random
Address of Product Manufacturer *	Jain Plastic Park, Bambhori, Jalgaon-425001
Submitting Organization *	Jain Irrigation Systems Ltd

\* denotes customer supplied information

## Sample Preparation

Description/Appearance of the product	Blue, opaque, rigid fitting
Length	5200 mm
Inner diameter	76 mm
Outer diameter	90 mm
Surface area of one article	274832.8 mm <sup>2</sup>
Number of articles constituting a sample	1
Surface area for test	15019.3 mm <sup>2</sup>
Calibration mark of test container	1 L
Storage Conditions	As in BS 6920: Part 2: Section 2.1: Clause 5.2

**Job Attachments:**

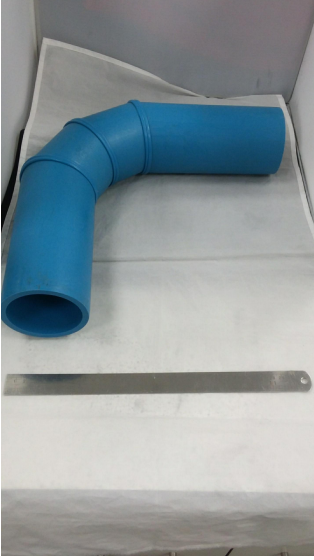


Photo 1.

**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: 6-DEC-2022

***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 - 65°C**

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

Date Leaching Test Started: 7-NOV-2022

***First Extract - Chlorinated Test Water***

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	Metallic	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	Metallic	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 >>**

	<u>Flag</u>	<u>Id</u>	<u>Address</u>
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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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.
7. This test report does not constitute approval or endorsement of the product by either NSF Wales or its parent companies.
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