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# TEST REPORT

**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-00438848. 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, equal tee made from Propel HDPE 002DP48
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-00438849
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-00438848.
Product *	Jain HDPE Fittings PE 100 (Blue) extruded, equal tee made from Propel HDPE 002DP48
Nature of Material *	Polyethylene
Date Test Sample Manufactured *	10/06/22
Batch Number *	202206101002
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 Fittings PE 100 (Blue)
Method of Manufacture *	Extrusion
Typical Use of the Product *	Component in contact with potable water
Material Manufacturer *	Indian Oil Corporation Limited
Tradename and Reference of Material *	Propel HDPE 002DP48
Nature of Product *	Equal tee 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
Max. length	400 mm
Max. diameter	90 mm
Surface area of one article	206906.9 mm <sup>2</sup>
Number of articles constituting a sample	0.07
Surface area for test	15296.4 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:**

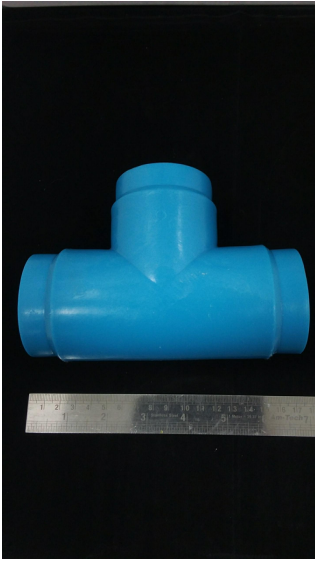


Photo 1.

**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	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.**

<< **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**

1. This report is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service (UKAS). NSF Wales is UKAS accredited against ISO/IEC 17025:2017 for calibration and testing, laboratory numbers 0248 and 0626 respectively. For details of the laboratory Schedule of Accreditation please see the UKAS website ([www.ukas.org](http://www.ukas.org)).
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.
4. Test reports utilise the simplified test report format option allowed by ISO/IEC 17025:2017 (reference clause 7.8.1.3). This simplified report does not include all of the information on the report specified by ISO/IEC 17025:2017 (clauses 7.8.2 to 7.8.7) but as stated in the standard this data is held by the laboratory and is available to the client on request.
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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12. Materials and products intended for use by public water supply company in the preparation or conveyance of water may need to satisfy more comprehensive toxicological requirements as specified by the Drinking Water Inspectorate. These additional requirements are necessary to ensure water Company usage complies with Regulation 31 of the Water Supply (Water Quality) Regulations 2010.