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TEST REPORT

Customer: C0883715

ONUR EK PARÇALARI VE PLASTIK BORU SAN. TIC. LTD. STI
Teyfikbey Mah. Emrullah Efendi
Cad. No:21/C Sefaköy-Küçükçekmece
Istanbul
Turkey

Facility: C0883716

ONUR EK PARÇALARI VE PLASTIK BORU SAN.TIC.LTD.STI.
Teyfikbey Mah. Emrullah Efendi
Cad. No:21/C Sefaköy-Küçükçekmece
, TR-34
Turkey

Result	Audit testing was carried out on this material in accordance with the letter from WRAS dated 19/01/26. Previous approval number 2008527. Extraction of Metals test BS 6920: Part 1: 2014, Clause 8, was performed by a UKAS ISO/IEC 17025 accredited, DWI and WRAS approved, subcontract laboratory. All resulting data has been reviewed and independently verified by NSF Wales Limited. 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	ONUR EK PARÇALARI VE PLASTIK BORU SAN. TIC. LTD. STI
Product	Yuhwa rp 2400 Green PPR Pipe
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-00551905
Work Order Number	W1038779

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 22-JUL-2026

Report Authorisation

Tyler Jones - Senior Scientist Labs

UKAS TESTING
0626

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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
Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 23°C	Pass
Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 85°C	Pass
Extraction of Metals BS 6920: Part 1: 2014, Clause 8 - 85°C	Pass

Sample Details

Date of Receipt of Application Form	24/SEPTEMBER/2025
Date of Receipt of Product for Test	11/DECEMBER/2025
Front Cover Test Description	Audit testing was carried out on this material in accordance with the letter from WRAS dated 19/01/26. Previous approval number 2008527. Extraction of Metals test BS 6920: Part 1: 2014, Clause 8, was performed by a UKAS ISO/IEC 17025 accredited, DWI and WRAS approved, subcontract laboratory. All resulting data has been reviewed and independently verified by NSF Wales Limited.
Product *	Yuhwa rp 2400 Green PPR Pipe
Nature of Material *	PPR
Hot Water Temperature	85 °C
Date Test Sample Manufactured *	10/SEPTEMBER/2025
Receipt Conditions	Good Condition
Receipt Packaging	PLASTIC BAG
Product Manufacturer *	Onur Ek Parcalari Ve Plastik Boru San Tic Ltd Sti
Product Manufacturing Site *	Turkey
Tradename and Reference of Product *	Yuhwa rp 2400 Green PPR Pipe
Method of Manufacture *	Extrusion
Typical Use of the Product *	Conveyance of potable water
Material Manufacturer *	Korea Petrochemical Ind Co Ltd
Tradename and Reference of Material *	Yuhwa rp2400
Material Manufacturing Site *	Korea
Nature of Product *	Pipe
Sampling Procedure *	Random selection from stock
Address of Product Manufacturer *	Teyfikbey Mah. Emrullah Efendi Cad. No:21/C Sefaköy-Küçükçekmece / ISTANBUL
Submitting Organization *	Onur Ek Parcalari Ve Plastik Boru San Tic Ltd Sti

* denotes customer supplied information

Sample Preparation

Description/Appearance of the product	Green, opaque, rigid pipe
Length	500 mm
Inner diameter	16.3 mm
Outer diameter	25.4 mm
Surface area of one article	66098.3 mm2
Number of articles constituting a sample	0.2
Surface area for test	14993.5 mm2
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: 2-MAR-2026

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: 23-FEB-2026

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.

Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 23°C

Methodology: BS 6920: Part 2: Section 2.5 and in-house methods PROC/MAT 004 and PROC/MIC 004.

Date Leaching Test Started: 24-FEB-2026

Cell concentration used: 5×10^{5}

Cell morphology: Confluent growth of elongated cells, some round cells and cell debris. Media orange/pink in colour.

Sample/Control	Cell Morphology	Response
Test Sample	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Blank	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Negative Control	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Positive Control	All cells rounded and mainly still in suspension. Media pink in colour.	Cytotoxic

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 7.

Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 85°C

Methodology: BS 6920: Part 2: Section 2.5 and in-house methods PROC/MAT 004 and PROC/MIC 004.

Date Leaching Test Started: 10-FEB-2026

Cell concentration used: 5×10^{5}

Cell morphology: Confluent growth of elongated cells, some round cells and cell debris. Media orange/pink in colour.

Sample/Control	Cell Morphology	Response
Test Sample	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Blank	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Negative Control	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Positive Control	All cells rounded and mainly still in suspension. Media pink in colour.	Cytotoxic

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 7.

Extraction of Metals BS 6920: Part 1: 2014, Clause 8 - 85°C

Methodology: BS 6920: Part 2: Section 2.6 and in-house methods PROC/MAT 006 (leachate preparation) and PROC/ING 003 (ICPMS analysis).

Date Leaching Tests Started: 15-JUN-2026

First Extract

Metal (µg/L)	MAC (µg/L)	LOD (µg/L)	Blank (µg/L)	Sample 1 (µg/L)	Sample 2 (µg/L)
Aluminium	200	20	<20	<20	<20
Antimony	5	0.5	<0.5	<0.5	<0.5
Arsenic	10	1	<1	<1	<1
Boron	1000	100	<100	<100	<100
Cadmium	5	0.5	<0.5	<0.5	<0.5
Chromium	50	5	<5	<5	<5
Iron	200	20	<20	<20	<20
Lead	10	1	<1	<1	<1
Manganese	50	5	<5	<5	<5
Mercury	1	0.1	<0.1	<0.1	<0.1
Nickel	20	2	<2	<2	<2
Selenium	10	1	<1	<1	<1

Analytical Method - ICPMS Inductively Coupled Plasma Mass Spectrometry
MAC - Maximum admissible concentration
LOD - Required limit of detection

Sample Notes:

‡ Subcontract Lab Report Project Number: RI0078/6/Od

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 8.

<< 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:

Please note that the date referenced in the notes, section 12 is inaccurate. The correct reference is Regulation 31 of the Water Supply (Water Quality) Regulations 2016. All other information contained within the report remains unchanged.

NOTES

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