



Unit 30 | Fern Close | Pen-Y-Fan Ind Est | Oakdale | Gwent | NP11 3EH | UK  
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# TEST REPORT

**Customer: C0807513**

EGEPLAST EGE PLASTIK TICARET VE  
SANAYI A.S.  
1003 Sokak no:6 AOSB Cigli Izmir  
Türkiye

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**Result** Limited testing was undertaken on this product in accordance with WRAS Material Guidance document, Table 1 (clause a - Change from white to green). Related test report J-00491897. This product has satisfied the relevant clauses set out in BS 6920: Part 1: 2014 "Specification" for the tests detailed in this report.

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Customer Name	EGEPLAST EGE PLASTIK TICARET VE SANAYI A.S.
Product	Egetherm PP-R sanitary green 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-00491898
Work Order Number	W0905413

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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** 21-AUG-2024

**Report Authorisation**

Eleanor Burger - Senior Project Manager Labs



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
Extraction of Metals BS 6920: Part 1: 2014, Clause 8 - 23°C	Pass

## Sample Details

Date of Receipt of Application Form	15/02/2024
Date of Receipt of Product for Test	12/03/2024
Front Cover Test Description	Limited testing was undertaken on this product in accordance with WRAS Material Guidance document, Table 1 (clause a - Change from white to green). Related test report J-00491897.
Product *	Egetherm PP-R sanitary green pipe
Nature of Material *	PP-R
Date Test Sample Manufactured *	07/03/2024
Receipt Conditions	Good Condition
Receipt Packaging	PLASTIC WRAP
Product Manufacturer *	EGEPLAST EGE PLASTIK TICARET VE SANAYI A.S
Product Manufacturing Site *	Turkey
Tradename and Reference of Product *	Egetherm PP-R sanitary green pipe
Method of Manufacture *	Extrusion
Typical Use of the Product *	Conveyance of potable water
Material Manufacturer *	Abu Dhabi Polymers Co Ltdd (Borouge)
Tradename and Reference of Material *	RA140E
Material Manufacturing Site *	Abu Dhabi UAE
Nature of Product *	Pipe
Sampling Procedure *	Random
Address of Product Manufacturer *	10003 sokak no 6 AOSB cigli izmir
Submitting Organization *	EGEPLAST EGE PLASTIK TICARET VE SANAYI A.S

\* denotes customer supplied information

## Sample Preparation

Description/Appearance of the product	Green with black stripe, opaque rigid pipe
Length	500 mm
Inner diameter	13.2 mm
Outer diameter	20.2 mm
Surface area of one article	52831.8 mm <sup>2</sup>
Number of articles constituting a sample	0.29
Surface area for test	15057.3 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: 5-AUG-2024

***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	Rubber	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 Metals BS 6920: Part 1: 2014, Clause 8 - 23°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: 24-JUL-2024

**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

**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

**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](http://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.
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 Ltd or its parent companies.
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