251 Airport Industrial Drive, Ypsilanti, MI 48198, USA
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TEST REPORT

Send To: 1Q980

Ms. Debolla
ERA PIPING (ZHEJIANG) Co., Ltd.
No. 1118 Huangjiao Road
Huangyan Economic Dev Zone
Taizhou, Zhejiang
China

Facility: C0337797

ERA PIPING (ZHEJIANG) Co., Ltd.
No. 1118 Huangjiao Road, Jiangkou Street
Huangyan, Taizhou 318020
China

Result	**PASS**	Report Date	16-JUN-2022

Customer Name	ERA PIPING (ZHEJIANG) Co., Ltd.
Tested To	ASTM F439-2019 - per NSF/ANSI 14
Description	Era | 1/2" SCH 80 CPVC Elbows
Trade Designation	Era
Test Type	Annual Collection
Job Number	A-00422735
Project Number	W0724984
Project Manager	Jiali Hu

Thank you for having your product tested by NSF.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization **Date** 16-JUN-2022

Ata Ciechanowski - Director, Engineering Laboratory

Summary of Test Results

Family Code	03
Physical Description of Sample	1/2" SCH 80 CPVC Elbows
Print Strip	SCH80 CPVC W S 1/2" F439 NSF-PW
Test Description	ANNUAL PERFORMANCE TESTING
Trade Designation/Model Number	Era

Test Description	Result
Dimensions Test, Fittings	Pass
Hydrostatic Burst Test	Pass
Marking Requirements	Pass

P0238 - Marking Requirements

Performance Standard	Yes
Manufacturer's Name or Trademark	Yes
Nominal Size	Yes
Material Designation or Cell Class	Yes
Seal or Mark of Certifying Lab	Yes
Marking Requirements	Pass

P1177 - Hydrostatic Burst Test

Tubing Type	1/2" SCH 80 CPVC Pipe	
Specimens conditioned for	>16	hours
Specimens conditioned at	73	degrees F
Required Test Temperature	73	degrees F
Actual Test Temperature	73	degrees F
Test Environment	air	
Actual Pipe Length	6	inches
Actual Burst Pressure (Minimum)	2752	psi
Hydrostatic Burst Test	Pass	

Test Results	**Time Of Testing** (seconds)	**Failure Description**	**Final Pressure** (psi)
Required			2720
Specimen 1	63	No Failure	2752
Specimen 2	63	No Failure	2752
Specimen 3	63	No Failure	2752
Specimen 4	63	No Failure	2752
Specimen 5	63	No Failure	2752

P3004 - Dimension, Socket Fittings

Specimens conditioned for	>40	hours
Specimens conditioned at	73	degrees F
Specimens tested at	73	degrees F
Relative humidity	50	percent
Dimensions Test, Fittings	Pass	

Test Results	Units	Required	Specimen 1	Specimen 2	Specimen 3
Body Wall Thickness Min	inches	0.184	0.208	0.192	0.201
Socket A Entrance ID Min	inches		0.849	0.848	0.849
Socket A Entrance ID Max	inches		0.851	0.851	0.851
Socket A Entrance ID Avg	inches	0.848 ± 0.004	0.850	0.850	0.850
Socket A Entrance ID OOR Max	inches	0.016	0.002	0.003	0.002
Socket A Bottom ID Min	inches		0.833	0.833	0.833
Socket A Bottom ID Max	inches		0.835	0.834	0.835
Socket A Bottom ID Avg	inches	0.836 ± 0.004	0.834	0.834	0.834
Socket A Bottom ID OOR Max	inches	0.016	0.002	0.001	0.002
Socket A Length Min	inches	0.875	0.891	0.891	0.891
Socket A Wall Thickness Min	inches	0.147	0.158	0.157	0.160
Socket B Entrance ID Min	inches		0.846	0.847	0.847
Socket B Entrance ID Max	inches		0.849	0.850	0.849
Socket B Entrance ID Avg	inches	0.848 ± 0.004	0.848	0.848	0.848
Socket B Entrance ID OOR Max	inches	0.016	0.003	0.003	0.002
Socket B Bottom ID Min	inches		0.834	0.834	0.834
Socket B Bottom ID Max	inches		0.836	0.836	0.836
Socket B Bottom ID Avg	inches	0.836 ± 0.004	0.835	0.835	0.835
Socket B Bottom ID OOR Max	inches	0.016	0.002	0.002	0.002
Socket B Length Min	inches	0.875	0.906	0.906	0.906
Socket B Wall Thickness Min	inches	0.147	0.162	0.162	0.163

Testing Laboratories:

	Flag	Id	Address
All work performed at: (Unless otherwise specified)	→	NSF_WR	NSF Willow Run 251 Airport Industrial Drive Ypsilanti, MI 48198
	(1)	NSF_WR	NSF Willow Run 251 Airport Industrial Drive Ypsilanti, MI 48198

References to Testing Procedures:

NSF Reference	Parameter / Test Description
P0238	Marking Requirements
P1177	Hydrostatic Burst Test
P3004	Dimension, Socket Fittings

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF requirements but is not within its scope of accreditation.

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.

Dates of Laboratory Activity: 10-MAY-2022 to 16-JUN-2022