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# FINAL TEST REPORT

**Send To: C0281169**

Mr. Steven Wang  
No.2369 Yikang Road  
Tengzhou, Shandong 277500  
China

**Facility: C0281170**

Shandong Efield Piping System Co.,Ltd  
No.2369 Yikang Road  
Tengzhou, Shandong 277500  
China

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**Result: PASS**

Report Date: 2-SEP-2016

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Customer Name: Shandong Efield Piping System Co.,Ltd  
Tested To: D2837-13 and PPI TR3-13 (E2 @ 73°F)  
Description: ½" PEX Tubing  
Test Type: HDS Testing  
Trade Designation: Efield PEX Tubing Blue  
Job Number: J-00208401  
Project Number: W0270769  
Project Manager: Jialei (Karen) L. Sun

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**Thank you for having your product tested by NSF International.**

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

**Test Performed By:** Laura Schell – Test Engineer

**Report Authorization:** \_\_\_\_\_

Ata Ciechanowski, P.E.  
Assistant Director, Engineering Lab

**Authority:** \_\_\_\_\_

Paul Anderson - Director, Engineering Laboratory



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## Test Results and Data

OD (in)	Wall Thick. (in)	Pressure (psi)	Stress (psi)	Time (h)	Failure Type	Environment
0.625	0.075	505	1852	30	Ductile	Water
0.625	0.075	480	1760	171	Ductile	Water
0.625	0.073	464	1754	293	Ductile	Water
0.625	0.075	478	1753	191	Ductile	Water
0.625	0.074	468	1742	209	Ductile	Water
0.624	0.074	466	1732	574	Ductile	Water
0.625	0.074	464	1727	358	Ductile	Water
0.625	0.074	462	1720	755	Ductile	Water
0.625	0.075	465	1705	912	Ductile	Water
0.625	0.075	452	1657	2081	Non Failure*	Water

\*Non-failure point used in LTHS calculation

**Regression Curve Equation:**  $\text{Log}(t) = 132.463 - 40.099 * \text{Log}(\text{stress})$

**LTHS =** 1,509 psi

**LCL =** 1,456 psi

**LCL/LTHS Ratio =** 0.965

**Required HDB =** 1,250 psi

**Actual HDB =** 1,250 psi



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