



1001 E Waterfront Dr,
Munhall, PA 15120

MILL TEST REPORT

Lot Number
2021-06532
SALES ORDER / RLS
202240879807
CERT ID / REV
94304

SOLD TO:
STAINLESS & NICKEL ALLOY PIPING PRODUCTS
10225 MULA ROAD SUITE 130
STAFFORD, TX 77477



<u>CUSTOMER P.O.</u> 4026708		<u>CUSTOMER PART</u>		<u>HEAT NO.</u> 537538	
DESCRIPTION: 33000500000403043120102 0.5" WELDED PIPE SCH 40S TP304/TP304L (UNS# S30400/S30403) A312/SA312 NSF-61					
CERTIFICATION REQUIREMENTS					
<u>ENGINEERING</u> ASTM A312-21 ASME SA312-21 EDDY CURRENT EXAM PASS IAW ASTM E426 USING DRILLED HOLE REFERENCE STANDARDS					
<u>HEAT TREAT</u> Annealed at 1900 Min. Deg F. and quenched in water or rapidly cooled by other means.					
<u>Chemical</u>			<u>Mechanical</u>		
Test	Result	Test	Result	Test	Result
Carbon	.027	Elongation	52	Hardness RB	83
Manganese	1.79	Tensile	93546	Yield	41479
Phosphorus	.035	Tension	Pass	Flattening	Pass
Sulfur	.0133				
Silicon	.61				
Nickel	8.03				
Chromium	18.09				
Molybdenum	.33				
Nitrogen	.060				
Country of Origin	USA				
<p>This report shall not be altered or reproduced, except in full, without the prior written approval of Bristol Metals LLC. This test report represents the actual attributes of the items furnished and all items were manufactured, sampled, inspected, and tested in full compliance with applicable specifications and your purchase order.</p> <p>Certification is in accordance with EN10204:2004 type 3.1.</p> <p>Chemical content is % by weight. Mechanical test results are in English units (inches and pounds).</p> <p>No weld repairs have been performed on the base material.</p> <p>Hardness in accordance with NACE MR0175/ISO 15156-3:2015 and MR0103-2015 and material is free of cold work to enhance mechanical properties.</p> <p>Pipe/Tube has been bright annealed.</p> <p>Bristol Metals has a Quality Management System in place that is in compliance with ISO 9001:2015.</p> <p>Bristol Metals does not add mercury or radioactive materials during any manufacturing process.</p> <p>NAFTA country of origin: USA. Pipe/Tube Manufactured in the USA. Raw Material Melt:USA</p> <p>FAR BAA –Complies, DFARS BAA –Complies , FAR TAA – Complies. This product is in full compliance with the American Iron and Steel requirement of P.L. 113-76 and as mandated in EPA's State Revolving Funds Program</p> <p>Quenched in water or rapidly cooled, at a rate sufficient to prevent re-precipitation of carbides, as demonstrable by the capability of heat treated pipes passing Practices A262, Practice E.</p> <p>QF-576</p> <p style="text-align: right;">Certification Date: 06/20/2022</p> <p style="text-align: right;"><i>Nathan Ryan</i></p> <p style="text-align: right;">Quality Assurance Manager</p>					