




INSPECTION CERTIFICATE
EN 1024 3.1

AMERICAN WIRE RESEARCH CO. LTD
1005 AIRBRAKE AVENUE
Willmerding PA, 15148

Customer	INVENTORY STOCK MATERIAL		Commodity	AW-562	Mfg. Date: 3/30/15	Lot No	1503001										
Specification & Classification	AWS A5.18 ER70S-6		Dimension	1.2 mm	Issue Date: 04/24/15	Certificate No.	150424-3										
<input type="checkbox"/> Chemical Composition for Solid Electrode and Rod(%) / <input type="checkbox"/> Weld Metal Chemical Composition (%)																	
Element	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	V							
Requirement	.06-15	1.4-1.85	.80-1.15	.025 max	0.03 max	0.50 max	0.15 max	0.15 max	0.15 max	0.03 max							
Test Result	0.074	1.47	0.802	0.0179	0.0112	0.0991	0.036	0.064	0.016	0.006							
Category	Tensile Test					Impact Test											
	Yield* Strength MPa	Yield** Strength MPa	Tensile Strength MPa	Elongatio n %	Reduction of area %	Test Temp (C)	Charpy V-Notch Absorbed Energy J(AVE)			Type of current	Welding current A	Arc Voltage V	Shielding gas	Post weld heat treatment			
Metal requirement	400 min	NS	480 Min.	22 min	NR	-20	27 min.			DCEP	NS	NS	C1	NS			
Test Result	502	NS	577	29	67	-20	78	103	89	78	105	AV	DCEP	NS	NS	C1	NS
	Hardness Test		Fillet Weld Test		Radiographic Test		Moisture %		Diffusible Hydrogen ml/100DM(AVE.)					Heat Number			
Face	Root	Face												Mn+Ni+Cr+Mo+V			
N/R	N/R	N/R	N/R		ACCEPTABLE		N/R		N/R					N/R			
We hereby certify that his report is correct and that all test results are in compliance with the specification described herein. The material described above is free irradiation and free of mercury.																	
Remarks: *0.2offset **LowerYieldpoint NS=notspecified C1 = 100% CO2 MADE IN USA																	
Manager of Quality Assurance  <div style="border: 1px solid black; padding: 5px; display: inline-block; color: magenta; font-weight: bold;">SAMPLE TEST REPORT</div>																	