




INSPECTION CERTIFICATE  
EN 1024 3.1

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

Customer	INVENTORY STOCK MATERIAL		Commodity	AW-56Z	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.	150424-4										
<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	0.070	1.44	0.842	0.0184	0.0134	0.0979	0.041	0.065	0.019	0.006							
Category	Tensile Test					Impact Test					Welding Condition						
	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	M	NS			
Test Result	507	NS	588	28	68	-20	128	130	119	92	103	AV	DCEP	NS	NS	M	NS
Bend Test	Hardness Test		Fillet Weld Test		Radiographic Test		Moisture %		Diffusible Hydrogen ml/100DM(AVE.)		Heat Number		Min+Ni+Cr+Mo+V				
	Face	Root	Face	Face	ACCEPTABLE	N/R	N/R	N/R	N/R	N/R	N/R	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 M 75-80%Ar balance CO2 MADE IN USA					
Manager of Quality Assurance 												SAMPLE TEST REPORT					