



INSPECTION CERTIFICATE
EN 1024 3.1

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

Customer	INVENTORY STOCK MATERIAL	Commodity	KFX-71T	Mfg. Date: 1/30/15	Lot No	15010009-00
Specification & Classification	AWS A5.36 E71T-1C	Dimension	1.2 mm	Issue Date: 04/24/15	Certificate No.	150424-1

Chemical Composition for Solid Electrode and Rod(%) / Weld Metal Chemical Composition (%)

Element	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	V
Requirement	.12 max	1.75 max	0.90 max	0.03 max	0.03 max	0.35 max	0.50 max	0.20 max	0.30 max	0.08 max
Test Result	0.031	1.190	0.218	0.028	0.009	0.006	0.033	0.045	0.007	0.010

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	490 - 660	22 min	NR	-20	27 min.					DCEP	NS	NS	C1	NS		
Test Result	505	NS	554	28	71	-20	86	89	84	78	89	AV	86	DCEP	NS	NS	C1	NS

Face	Bend Test		Hardness Test	Filler Weld Test	Radiographic Test	Moisture %	Diffusible Hydrogen ml/100DM(AVE.)	Heat Number	Mn+Ni+Cr+Mo+V
	Root	Face							
N/R	N/R	N/R	N/R	N/R	ACCEPTABLE	N/R	N/R	A419907A	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.

Manager of Quality Assurance

Remarks:
*0.2offset
** Lower Yield point
NS=notspecified
C1 = 100% CO2

SAMPLE TEST REPORT