



WIRE AND STEEL COMPANY INC.
3050 N. Great Southwest Pkwy
Grand Prairie, TX 75050

Certificate Of Analysis

GULF COAST SPRING CO

PO BOX 430938

HOUSTON, TX 77243

8050-02000-01

PO: 123325

GWS NUM:	1010577-04
GIBBS SALES NUM:	31535/00
DATE SHIPPED:	12/05/16
CUST PO NUM:	14116
QTY SHIPPED:	23.50

DESCRIPTION: .0350 +/- .0008 GIBBSCOTE INCONEL X-750 SPRING TMRP WIRE

HEAT NUMBER: 217743

MILL COIL ID:

GIBBS COIL ID:

GIBBS PO NUM: 049516

TO CERTIFY THAT THE MATERIAL SHIPPED AGAINST YOUR ABOVE ORDER NUMBER IS IN ACCORDANCE WITH
SPECIFICATION: AMS 5699 NACE MR0175

C:	.0300	Mn:	.0400	P:	.0040	Sul:	<	.0010
Si:	.0600	Cr:	15.6500	Ni:	71.1400	Mo:		
Co:	.0200	Cu:	.0200	N2:		Fe:		8.5500
Ti:	2.6200	Al:	.7500	Be:		W:		
Zn:		Sn:		Pb:		Cb:		.8500
Ta:	<	.0100	V:		B	.0040		

	PRE-HEAT		POST-HEAT	
	MIN	MAX	MIN	MAX
TENSILE STRENGTH:	219,460	219,460	274,170	274,170
YIELD STRENGTH:	209,830	209,830	266,380	266,380
GRAIN:				
ELONGATION % IN 2":	5.4700		3.1300	
ROCKWELL HARDNESS:			RC 46	

REDUCTION OF AREA		21.5500				21.5500	
COUNTRY OF:		Melt: USA Origin/MFG: USA					
DFAR:	Y	Mercury Free:	Y	ROHS:	Y	WRAP:	Y

GERARD DANIEL WORLDWIDE / CASPH 154,400

Maribel Hernandez

CERTIFICATION CLERK

TEL: 800-788-8114

4-4.8-1