

2013 10 15
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195 Museum Road
 Washington, PA 15301
 Phone 724.228.1000
 Fax 724.228.4196

PRODUCT CERTIFICATION
 WORK ORDER 047937
 SALES ORDER / RLS 034354 / 1

SOLD TO

TMS, Inc
 325 N. Puente St. Unit B
 Brea, CA 92821
 USA

Quality System is registered
 to ISO 9001:2008 and AS9100:2004

CUSTOMER P.O. TMS011911	CUSTOMER PART	QUANTITY 252 lbs	COILS/TAGS 1	LADING NO 00051903	SHIPMENT DATE 10/31/2011			
PART INFORMATION:041DD4AEE01968B TI CP4 Standard Grade Close Tolerance Bar - 0.1968" Dia. Specifications: ASTM F 67 Gr4 Rev: 06 Size: 0.1968" Dia. +/- 0.0002" Length: 8' +/- 6"								
Chemical Report (Wt.%)								
Heat E16786	C .046	Fe .14	O .34	N .008	Y <.0004	Co E <.05	TOE <.20	Ti BAL
Hydrogen (As Shipped)								
Hydrogen (%) 0.0026								
As Shipped Properties								
UTS #1 (psi) 112500	YS 0.2% #1 (psi) 96100	EL #1 (%) 28	RA #1 (%) 50					
Hardness (HRBW) 97								
Material Data								
Melt Source TIMET	Melt Origin USA							






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TMS011911		252 lbs	1	00051803	10/31/2011
<p>CERTIFICATION REQUIREMENTS Material Condition: Annealed - As Shipped Material Free of Surface Contamination</p> <p style="text-align: center;">End of Certification</p> <p>This is to certify that the above test results are correct as contained in the records of the company.</p> <p>Certification shall not be reproduced except in full without the approval of Dynamet Inc. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Law.</p> <p>Tags Shipped: 047937-001 252#</p> <div style="text-align: right;">  <hr/> Steven R. Dockus Q. A. Lab Manager </div>					

