



SIVACO
ONTARIO
A HEICO COMPANY

ISO 9001:2000, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario
a Division of SIVACO Wire Group L.P.
330 Thomas Street
PO Box 220
Ingersoll, Ontario CANADA
N5C 3K5
(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER
043997

LOT NUMBER
A96327

SALES ORDER / RLS
023716 / 1

CERT ID / REV
00007280 / 01

SOLD TO

Windsor Machine & Stamping (US) Ltd
26655 NorthLine Road
Taylor, MI 48180
United States
Attn: Quality Assurance

CUSTOMER P.O. 522	CUSTOMER PART	QUANTITY 13,050 lbs	COILS 4	LADING NO 00038202	SHIPMENT DATE 08/11/2009					
SPECIFICATION PIQ1018130-08 13.00mm (0.5118") 1018 IQ, Clean/Coat, Clean/Phos/Lube, Windsor Machine & Stamping Ltd, 7213.91.6000										
CERTIFICATION REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1600	.6700	.0110	.0010	.2200	.2300	.1100	.1600	.0350	.0120	.0070
B	V	N								
.0002	.0040	.0091								
Mechanical - Summary										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
Diameter (inch)	in	.515	.511	0.513						
Tensile (psi)	psi	77708	75372	76757						
End of Certification										

I attest that the results are a true and correct copy of the records prepared and maintained by SIVACO Ontario in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier. This test report cannot be reproduced or distributed, except in full, without the written permission of SIVACO Ontario.

Authorized by: Graham Benoit, QA Manager