



ISO 9001:2008, 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
090107

HEAT NUMBER
W36350

SALES ORDER / RLS
057503 / 2

CERT ID / REV
00051088 / 01

SOLD TO

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

CUSTOMER P.O.	CUSTOMER PART	QUANTITY 3,948 lbs	COILS 2	LADING NO 00060279	SHIPMENT DATE 11/20/2013					
SPECIFICATION WCH10100.492-01 0.492" (12.4968mm) 1010 AKCHQ, Direct Draw, Clean/Lime, Windsor Machine & Stamping (US, 7217.10.5090 Non-Alloy Wire, Not Heat Treated (Other) Diam. >= 1.5mm (0.060") Carbon < 0.25%										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1000	.3600	.0040	.0040	.0900	.0400	.0800	.0700	.0010	.0010	.0500
B	V	N								
.0001	.0030	.0036								
Mechanical - Summary										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
Diameter (inch)	in	.492	.492	0.492						
Tensile (psi)	psi	68911	68911	68911						
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: Gary Allard, QA Manager