



ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario
 a Division of SIVACO Wire Group L.P.
 330 Thomas Street
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 Ingersoll, Ontario CANADA
 N5C 3K5
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Physical Test Report

WORK ORDER
089199

HEAT NUMBER
A12205

SALES ORDER / RLS
056889 / 6

CERT ID / REV
00049388 / 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	COILS	LADING NO	SHIPMENT DATE					
		8,192 lb	4	00059462	09/30/2013					
SPECIFICATION WIQ10100.492-00 0.4920" (12.4968mm) 1010 ISQ, Direct Draw, Clean/Lime, Windsor Machine & Stamping (US, 7217.10.5030 Non-Alloy Wire, Heat Treated 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	.3400	.0060	.0140	.1800	.1500	.0800	.1000	.0180	.0090	.0030
B	V	N								
.0000	.0010	.0082								
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	???????????????	?????????????????	?????????????????						
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