

TUYAUX GALVANISÉS

DIMENSIONS :

- 1 5/16"
- 1 7/8"
- 1 11/16"
- 2 3/8"
- 3 1/2"
- 4 1/2"
- 6 5/8"



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-04-09
BOL NO.	Customer PO NO.	# S/O
N007636	72800	N001178

CPN	CPN Description
6100100CQGVSTE21	1" x 0.100" CQ Galv Saw Two ends 21' <i>Tuyau Galv 1 5/16 x 100 x 21</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786011	0.2100	0.5900	0.0050	0.0070	0.0002	0.0200	0.0420	0.0160	0.0380		0.0020	0.0060	0.0020	0.0450		0.0050	0.0020	0.0002	0.0020

MECHANICAL TEST RESULTS																		
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush		
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %					
	PIPE 1.000 X 0.100 X 252.000	PSI	JPRO 11314											30000	48000			Pass

MILL	HEAT#	Country of Origin
US Steel Canada	786011	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6150100CQGVSTE21	1 1/2" x 0.100" CQ Galv Saw Two ends 21' <i>Tuyau Galv 1 7/8 x 100 x 21</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
268320	0.1700	0.7700	0.0090	0.0100	0.0001	0.0200	0.0300	0.0100	0.0400	0.0007	0.0005	0.0030	0.0020	0.0300		0.0042	0.0020	0.0001	0.0008

MECHANICAL TEST RESULTS																		
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush		
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %					
	PIPE 1.500 X 0.100 X 252.000	PSI	JPRO 11349											30000	48000			Pass

MILL	HEAT#	Country of Origin
	268320	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6200100CQGVSTE24	2" x 0.100" CQ Galv Saw Two ends 24'

Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-07-09
BOL NO.	Customer PO NO.	# S/O
N008851	Mathieu	N001594

QTY	QTY Description
6125100CQGVSTE21	1 1/4" x 0.100" CQ Galv Saw Two ends 21' <i>tuyau Galv 1 1/4 x 100 x 21</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
5741C4	0.0400	0.2400	0.0090	0.0020		0.0100	0.0100	0.0100	0.0200		0.0000	0.0000	0.0000	0.0530		0.0046		0.0000	0.0010
830566	0.1800	0.5700	0.0090	0.0130	0.0002	0.0120	0.0480	0.0220	0.0450		0.0020	0.0060	0.0020	0.0450		0.0020	0.0030	0.0002	0.0020

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 1.250 X 0.100 X 252.000	PSI	JPR0 11283											30000	48000				Pass

MILL	HEAT#	Country of Origin
Algoma Steel	5741C4	Canada
Stelco	830566	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

QTY	QTY Description
6150100CQGVSTE24	1 1/2" x 0.100" CQ Galv Saw Two ends 24' <i>tuyau galv 1 1/2 x 100 x 24</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
268320	0.1700	0.7700	0.0090	0.0100	0.0001	0.0200	0.0300	0.0100	0.0400	0.0007	0.0005	0.0030	0.0020	0.0300		0.0042	0.0020	0.0001	0.0008

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 1.500 X 0.100 X 288.000	PSI	JPR0 11349											30000	48000				Pass

MILL	HEAT#	Country of Origin
Algoma Steel	268320	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-05-31
BOL NO	Customer PO NO	# S/O
N008399	72800	N001178

CPN	CPN Description																			
6125100CQGVSTE24	1 1/4" x 0.100" CQ Galv Saw Two ends 24' <i>tu galv galv 1 1/16 x 100 x 24</i>																			
CHEMICAL ANALYSIS																				
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti	
830698	0.1900	0.5600	0.0090	0.0140	0.0002	0.0100	0.0470	0.0170	0.0350		0.0020	0.0050	0.0020	0.0510		0.0040	0.0020	0.0002	0.0020	
MECHANICAL TEST RESULTS																				
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush				
	PIPE 1.250 X 0.100 X 288.000	PSI	JPR0 11283		Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %							
											30000	48000				Pass				
MILL	HEAT#		Country of Origin																	
Stelco	830698		Canada																	

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description																			
6125140CQGVSTE21	1 1/4" x 0.140" CQ Galv Saw Two ends 21' <i>tu galv galv 1 1/16 x 140 x 21</i>																			
CHEMICAL ANALYSIS																				
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti	
748921	0.1700	0.7100	0.0050	0.0070	0.0003	0.0200	0.0600	0.0200	0.0300		0.0010	0.0050	0.0020	0.0400		0.0042	0.0030	0.0000	0.0050	
786113	0.0600	0.5900	0.0080	0.0060	0.0002	0.0140	0.0530	0.0170	0.0430		0.0140	0.0050	0.0020	0.0350		0.0060	0.0020	0.0002	0.0020	
MECHANICAL TEST RESULTS																				
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush				
	PIPE 1.250 X 0.140 X 252.000	PSI	JPR0 11289		Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %							
											30000	48000				Pass				
MILL	HEAT#		Country of Origin																	
Stelco	748921		Canada																	
Stelco	786113		Canada																	

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description	
6600134CQGVSTE24	6" x 0.134" CQ Galv Saw Two ends 24'	



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Shp Date
Clotures Directes Inc		2018-05-01
BOL NO.	Customer PO NO.	# S/O
N007960	72800	N001178

CPN	CPN Description
6125140CQGVSTE21	1 1/4" x 0.140" CQ Galv Saw Two ends 21' <i>total Galv 1 1/4 x 140 x 21</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
748921	0.1700	0.7100	0.0050	0.0070	0.0003	0.0200	0.0600	0.0200	0.0300		0.0010	0.0050	0.0020	0.0400		0.0042	0.0030	0.0000	0.0050
786113	0.0600	0.5900	0.0080	0.0060	0.0002	0.0140	0.0530	0.0170	0.0430		0.0140	0.0050	0.0020	0.0350		0.0060	0.0020	0.0002	0.0020

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 1.250 X 0.140 X 252.000	PSI	JPR0 11289											30000	48000				Pass

MILL	HEAT#	Country of Origin
	748921	Canada
Stelco	786113	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6200100CQGVSTE17	2" x 0.100" CQ Galv Saw Two ends 17' <i>total Galv 2 3/8 x 100 x 17</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
276588	0.1600	0.7300	0.0140	0.0090	0.0001	0.0100	0.0300	0.0100	0.0600	0.0005	0.0000	0.0040	0.0020	0.0400		0.0043	0.0020	0.0000	0.0008
782906	0.1900	0.5500	0.0120	0.0140	0.0002	0.0130	0.0590	0.0170	0.0360		0.0020	0.0070	0.0020	0.0350		0.0050	0.0080	0.0002	0.0020
786011	0.2100	0.5900	0.0050	0.0070	0.0002	0.0200	0.0420	0.0160	0.0380		0.0020	0.0060	0.0020	0.0450		0.0050	0.0020	0.0002	0.0020
827657	0.1900	0.5400	0.0110	0.0110	0.0002	0.0170	0.0280	0.0140	0.0330		0.0020	0.0050	0.0020	0.0430		0.0030	0.0040	0.0002	0.0020
827658	0.1900	0.5600	0.0100	0.0150	0.0002	0.0150	0.0420	0.0160	0.0320		0.0020	0.0060	0.0020	0.0400		0.0030	0.0090	0.0002	0.0020

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.100 X 204.000	PSI	JPR0 11308											30000	48000				Pass

MILL	HEAT#	Country of Origin
	276588	Canada

Authorized by the department of quality control



Test Certificate

SHIP TO

ST000014 Clotures Directes Inc
 238 Boul. Industriel
 Chateauguay Quebec J6J 4Z2
 Canada

SOLD TO

Clotures Directes Inc
 Ship Date: 2018-04-17

BOL NO.	Customer PO NO.	# S/O
N007766	72800	N001178

CPN: 6200100CQGVSTE19 CPN Description: 2" x 0.100" CQ Galv Saw Two ends 19' *tuva galv 2 3/8 x 100 x 19*

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
749259	0.1600	0.6800	0.0040	0.0110	0.0003	0.0200	0.0600	0.0200	0.0200		0.0010	0.0050	0.0010	0.0400		0.0041	0.0020	0.0000	0.0050
827657	0.1900	0.5400	0.0110	0.0110	0.0002	0.0170	0.0280	0.0140	0.0330		0.0020	0.0050	0.0020	0.0430		0.0030	0.0040	0.0002	0.0020

MECHANICAL TEST RESULTS

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.100 X 228.000	PSI	JPRO 11308											30000	48000				Pass

MILL	HEAT#	Country of Origin
	749259	Canada
US Steel Canada	827657	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN: 6200100CQGVSTE226 CPN Description: 2" x 0.100" CQ Galv Saw Two ends 22'6" *tuva galv 2 3/8 x 100 x 22,6*

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
276588	0.1600	0.7300	0.0140	0.0090	0.0001	0.0100	0.0300	0.0100	0.0600	0.0005	0.0000	0.0040	0.0020	0.0400		0.0043	0.0020	0.0000	0.0008
749259	0.1600	0.6800	0.0040	0.0110	0.0003	0.0200	0.0600	0.0200	0.0200		0.0010	0.0050	0.0010	0.0400		0.0041	0.0020	0.0000	0.0050

MECHANICAL TEST RESULTS

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.100 X 270.000	PSI	JPRO 11308											30000	48000				Pass

MILL	HEAT#	Country of Origin
	276588	Canada
	749259	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-05-01
BOL NO.	Customer PO NO.	# S/O
N007960	72800	N001178

MILL	HEAT#	Country of Origin
Stelco	782906	Canada
Stelco	786011	Canada
Stelco	827657	Canada
Stelco	827658	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

6200100CQGVSTE21	2" x 0.100" CQ Galv Saw Two ends 21'	<i>tuva galv 23/18 x 100 x 21</i>
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CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
276593	0.1700	0.7400	0.0090	0.0070	0.0000	0.0100	0.0300	0.0100	0.0400	0.0005	0.0001	0.0030	0.0020	0.0600		0.0043	0.0010	0.0001	0.0007
276685	0.1600	0.7600	0.0070	0.0080	0.0001	0.0200	0.0300	0.0100	0.0500	0.0006	0.0002	0.0040	0.0020	0.0400		0.0043	0.0020	0.0001	0.0007
786011	0.2100	0.5900	0.0050	0.0070	0.0002	0.0200	0.0420	0.0160	0.0380		0.0020	0.0080	0.0020	0.0450		0.0050	0.0020	0.0002	0.0020

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 2.000 X 0.100 X 252.000	PSI	N4029										30000	48000			Pass
	PIPE 2.000 X 0.100 X 252.000	PSI	JPR0 11308										30000	48000			Pass

MILL	HEAT#	Country of Origin
	276593	Canada
	276685	Canada
	786011	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL



Test Certificate

SHIP TO
 ST000014 Clotures Directes Inc
 238 Boul. Industriel
 Chateauguay Quebec J6J 4Z2
 Canada

SOLD TO
 Clotures Directes Inc
Ship Date
 2018-05-31

BOL NO.	Customer PO NO.	# S/O
N008398	Mathieu	N001594

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
749259	0.1600	0.6800	0.0040	0.0110	0.0003	0.0200	0.0600	0.0200	0.0200		0.0010	0.0050	0.0010	0.0400		0.0041	0.0020	0.0000	0.0050

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.100 X 270.000	PSI	JPRO 11308											30000	48000				Pass

MILL 749259 **HEAT#** 749259 **Country of Origin** Canada

Description:
 Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN 6200154CQGVSTE17 **CPN Description** 2" x 0.154" CQ Galv Saw Two ends 17' *full galv - 23/16 x 154 x 17*

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786491	0.1900	0.8000	0.0060	0.0070	0.0002	0.0140	0.0560	0.0130	0.0350		0.0060	0.0070	0.0020	0.0450		0.0060	0.0080	0.0002	0.0020

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.154 X 204.000	PSI	JPRO 11307											30000	48000				Pass

MILL Stelco **HEAT#** 786491 **Country of Origin** Canada

Description:
 Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN 6200154CQGVSTE24 **CPN Description** 2" x 0.154" CQ Galv Saw Two ends 24' *full galv 23/16 x 154 x 24*

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786492	0.1900	0.8200	0.0050	0.0060	0.0002	0.0180	0.0360	0.0130	0.0250		0.0060	0.0040	0.0020	0.0460		0.0050	0.0100	0.0002	0.0020



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-04-30
BOL NO.	Customer PO NO.	# S/O
N007934	72800	N001178

CPN	CPN Description
6200100CQGVSTE17	2" x 0.100" CQ Galv Saw Two ends 17'

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
827658	0.1900	0.5600	0.0100	0.0150	0.0002	0.0150	0.0420	0.0160	0.0320		0.0020	0.0060	0.0020	0.0400		0.0030	0.0090	0.0002	0.0020

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.100 X 204.000	PSI	JPRO 11308											30000	48000				Pass

MILL	HEAT#	Country of Origin
Stelco	827658	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6200154CQGVSTE19	2" x 0.154" CQ Galv Saw Two ends 19' <i>tuveau galv 2 3/8 x 154 x 19</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786491	0.1900	0.8000	0.0060	0.0070	0.0002	0.0140	0.0560	0.0130	0.0350		0.0060	0.0070	0.0020	0.0450		0.0060	0.0080	0.0002	0.0020

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 2.000 X 0.154 X 228.000	PSI	JPRO 11307											30000	48000				Pass

MILL	HEAT#	Country of Origin
Stelco	786491	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6200154CQGVSTE24	2" x 0.154" CQ Galv Saw Two ends 24'



Test Certificate

SHIP TO
 ST000014 Clotures Directes Inc
 238 Boul. Industriel
 Chateauguay Quebec J6J 4Z2
 Canada

SOLD TO
 Clotures Directes Inc
 Ship Date: 2018-02-23

BOL NO. N007021 **Customer PO NO.** 72800 **# S/O** N001178

CPN Description: 6200154CQGVSTE17 2" x 0.154" CQ Galv Saw Two ends 17'

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786491	0.1900	0.8000	0.0060	0.0070	0.0002	0.0140	0.0560	0.0130	0.0350		0.0060	0.0070	0.0020	0.0450		0.0060	0.0080	0.0002	0.0020

MECHANICAL TEST RESULTS

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 2.000 X 0.154 X 204.000	PSI	JPRO 11307										30000	48000			Pass

MILL US Steel Canada **HEAT#** 786491 **Country of Origin** Canada

Description:
 Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN Description: 6200154CQGVSTE21 2" x 0.154" CQ Galv Saw Two ends 21' *+ tuyau Galv 2 3/4 x 154 x 21*

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
5394D4	0.0700	0.3600	0.0070	0.0010	0.0025	0.0350	0.0300	0.0200	0.0200		0.0000	0.0000	0.0290	0.0290		0.0085			0.0010
786491	0.1900	0.8000	0.0060	0.0070	0.0002	0.0140	0.0560	0.0130	0.0350		0.0060	0.0070	0.0020	0.0450		0.0060	0.0080	0.0002	0.0020

MECHANICAL TEST RESULTS

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 2.000 X 0.154 X 252.000	PSI	JPRO 11309										30000	48000			Pass
	PIPE 2.000 X 0.154 X 252.000	PSI	JPRO 11307										30000	48000			Pass

MILL Algoma Steel **HEAT#** 5394D4 **Country of Origin** Canada

MILL US Steel Canada **HEAT#** 786491 **Country of Origin** Canada

Description:
 Note: THIS IS COMMERCIAL QUALITY MATERIAL



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-07-24
BOL NO.	Customer PO NO.	# S/O
N009050	72800	N001178

6300120CQGVSTE17	3" x 0.120" CQ Galv Saw Two ends 17'	<i>Handwritten: Full Galv. 3 1/2 x 125 x 17</i>
------------------	--------------------------------------	---

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
276688	0.1600	0.7300	0.0090	0.0060	0.0001	0.0200	0.0300	0.0100	0.0500	0.0008	0.0006	0.0050	0.0030	0.0400		0.0038	0.0020	0.0001	0.0010

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 3.000 X 0.120 X 204.000	PSI	JPR1 00398											30000	48000				Pass

MILL	HEAT#	Country of Origin
ArcelorMittal Dofasco	276688	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

6300120CQGVSTE21	3" x 0.120" CQ Galv Saw Two ends 21'	<i>Handwritten: Full Galv 3 1/2 x 125 x 21</i>
------------------	--------------------------------------	--

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
276688	0.1600	0.7300	0.0090	0.0060	0.0001	0.0200	0.0300	0.0100	0.0500	0.0008	0.0006	0.0050	0.0030	0.0400		0.0038	0.0020	0.0001	0.0010

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 3.000 X 0.120 X 252.000	PSI	JPR1 00398											30000	48000				Pass

MILL	HEAT#	Country of Origin
ArcelorMittal Dofasco	276688	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

6300120CQGVSTE24	3" x 0.120" CQ Galv Saw Two ends 24'
------------------	--------------------------------------

Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-05-31
BOL NO.	Customer PO NO.	# S/O
N008390	72800	N001178

CPN	CPN Description
6300120CQGVSTE24	3" x 0.120" CQ Galv Saw Two ends 24' <i>toyou Galv 3 1/2 x 125 x 24'</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
5123D4	0.1700	0.6600	0.01100	0.0070		0.0240	0.0300	0.0200	0.0200		0.0000	0.0000	0.0000	0.0250					0.0010
5126D4	0.1600	0.6700	0.01000	0.0030		0.0180	0.0200	0.0100	0.0200		0.0000	0.0000	0.0000	0.0210					0.0000
749252	0.1700	0.7200	0.00400	0.0070	0.0001	0.0200	0.0700	0.0200	0.0400		0.0010	0.0040	0.0020	0.0400		0.0030	0.0020	0.0000	0.0050
N00034	0.1900	0.7900	0.01900	0.0070	0.0001	0.0150	0.0100	0.0100	0.0200		0.0050	0.0000	0.0000	0.0600		0.0020	0.0010	0.0001	
N00069	0.1800	0.7800	0.02000	0.0070	0.0002	0.0170	0.0100	0.0100	0.0300		0.0050	0.0010	0.0000	0.0540		0.0030	0.0010	0.0001	

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 3.000 X 0.120 X 288.000	PSI	JPR1 00346										30000	48000			Pass

MILL	HEAT#	Country of Origin
Algoma Steel	5123D4	Canada
Algoma Steel	5126D4	Canada
	749252	Canada
Stelco	N00034	Canada
Stelco	N00069	Canada

RECU 31 MAI 2018

Description:
 Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6300216CQGVSTE24	3" x 0.216" CQ Galv Saw Two ends 24' <i>toyou Galv 3 1/2 x 216 x 24'</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786488	0.2000	0.7900	0.00600	0.0100	0.0002	0.0120	0.0500	0.0160	0.0350		0.0060	0.0040	0.0020	0.0450		0.0040	0.0030	0.0002	0.0020

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 3.000 X 0.216 X 288.000	PSI	JPR1 00345										30000	48000			Pass

Authorized by the department of quality control



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-07-09
BOL NO.	Customer PO NO.	# S/O
N008852	72800	N001178

CPN	CPN Description
6300216CQGVSTE17	3" x 0.216" CQ Galv Saw Two ends 17' <i>tuylaw Galv 3 1/2 x 216 x 17</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786488	0.2000	0.7900	0.0060	0.0100	0.0002	0.0120	0.0500	0.0160	0.0350		0.0060	0.0040	0.0020	0.0450		0.0040	0.0030	0.0002	0.0020

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 3.000 X 0.216 X 204.000	PSI	JPR1 00345										30000	48000			Pass

MILL	HEAT#	Country of Origin
Stelco	786488	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6300216CQGVSTE24	3" x 0.216" CQ Galv Saw Two ends 24' <i>tuylaw Galv 3 1/2 x 216 x 24</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786488	0.2000	0.7900	0.0060	0.0100	0.0002	0.0120	0.0500	0.0160	0.0350		0.0060	0.0040	0.0020	0.0450		0.0040	0.0030	0.0002	0.0020

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 3.000 X 0.216 X 288.000	PSI	JPR1 00345										30000	48000			Pass

MILL	HEAT#	Country of Origin
Stelco	786488	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6400237CQGVSTE24	4" x 0.237" CQ Galv Saw Two ends 24'

Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-04-17
BOL NO.	Customer PO NO.	# S/O
N007766	72800	N001178

GEN	CPN	Description																	
6300120REJGVBE21		3" x 0.120" REJ Galv Bevelled End 21' N - seconds																	
GRADE	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
DECLASSE	Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999		Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999		Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999		Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999

*** No Mechanical Test Results ***

MILL	HEAT#	Country of Origin
ArcelorMittal Dofasco	271652	Canada
Description: Hot Rolled Steel coils made from steel melted and manufactured in Canada Manufacturing: Pipe produced in Canada		
Note: THIS PRODUCT MEETS ALL REQUIREMENTS OF REJECT		

GEN	CPN	Description																	
6300216CQGVSTE21		3" x 0.216" CQ Galv Saw Two ends 21' <i>tu y a u Galv 3 1/2 x 216 x 21</i>																	
CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
275318	0.0800	0.6500	0.0110	0.0090	0.0001	0.0200	0.0400	0.0100	0.0500	0.0010	0.0110	0.0020	0.0020	0.0500		0.0037	0.0010	0.0000	0.0010
785886	0.0600	0.5800	0.0080	0.0090	0.0002	0.0150	0.0490	0.0220	0.0430		0.0150	0.0070	0.0020	0.0430		0.0050	0.0020	0.0002	0.0020

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 3.000 X 0.216 X 252.000	PSI																	Pass

MILL	HEAT#	Country of Origin
US Steel Canada	275318	Canada
US Steel Canada	785886	Canada
Description:		
Note: THIS IS COMMERCIAL QUALITY MATERIAL		

GEN	CPN	Description																	
6300216REJGVBE21		3" x 0.216" REJ Galv Bevelled End 21' N - seconds																	
GRADE	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
DECLASSE	Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999		Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999		Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999		Max 1.9999	Max 1.9999	Max 1.9999	Max 1.9999

*** No Mechanical Test Results ***

Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-05-31
BOL NO.	Customer PO NO.	# S/O
N008390	72800	N001178

CPN	CPN Description
6300120CQGVSTE24	3" x 0.120" CQ Galv Saw Two ends 24' <i>to have galv 3 1/2 x 125 x 24</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
5123D4	0.1700	0.6600	0.0110	0.0070		0.0240	0.0300	0.0200	0.0200		0.0000	0.0000	0.0000	0.0250					0.0010
5126D4	0.1600	0.6700	0.0100	0.0030		0.0180	0.0200	0.0100	0.0200		0.0000	0.0000	0.0000	0.0210					0.0000
749252	0.1700	0.7200	0.0040	0.0070	0.0001	0.0200	0.0700	0.0200	0.0400		0.0010	0.0040	0.0020	0.0400		0.0030	0.0020	0.0000	0.0050
N00034	0.1900	0.7900	0.0190	0.0070	0.0001	0.0150	0.0100	0.0100	0.0200		0.0050	0.0000	0.0000	0.0600		0.0020	0.0010	0.0001	
N00069	0.1800	0.7800	0.0200	0.0070	0.0002	0.0170	0.0100	0.0100	0.0300		0.0050	0.0010	0.0000	0.0540		0.0030	0.0010	0.0001	

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 3.000 X 0.120 X 288.000	PSI	JPR1 00346										30000	48000			Pass

MILL	HEAT#	Country of Origin
Algoma Steel	5123D4	Canada
Algoma Steel	5126D4	Canada
	749252	Canada
Stelco	N00034	Canada
Stelco	N00069	Canada

RECU 31 MAI 2018

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6300216CQGVSTE24	3" x 0.216" CQ Galv Saw Two ends 24' <i>to have galv 3 1/2 x 216 x 24</i>

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
786488	0.2000	0.7900	0.0060	0.0100	0.0002	0.0120	0.0500	0.0160	0.0350		0.0060	0.0040	0.0020	0.0450		0.0040	0.0030	0.0002	0.0020

MECHANICAL TEST RESULTS																	
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %				
	PIPE 3.000 X 0.216 X 288.000	PSI	JPR1 00345										30000	48000			Pass

Authorized by the department of quality control



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-04-26
BOL NO.	Customer PO NO.	# S/O
N007901	72861	N001375

QFN	QFN Description																		
6400120BUTTGSTE21	4" x 0.120" BUTT Galv Saw Two ends 21' ButtWeld <i>Hot Rolled Galv 4 1/2 x 125 x 21</i>																		
GRADE	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
ButtWeld	Max	Max	Max	Max		Max	Max	Max	Max		Max	Max	Max	Max		Max	Max	Max	Max
	1.9999	1.9999	1.9999	1.9999		1.9999	1.9999	1.9999	1.9999		1.9999	1.9999	1.9999	1.9999		1.9999	1.9999	1.9999	1.9999

*** No Mechanical Test Results ***

MILL	HEAT#	Country of Origin
	272826	Canada
	272828	Canada
	275120	Canada
	275121	Canada
	275383	Canada

Description: Hot Rolled Steel coils made from steel melted and manufactured in Canada
 Manufacturing: Pipe produced in Canada
 Note: THIS PRODUCT MEETS ALL REQUIREMENTS OF ButtWeld

Authorized by the department of quality control



Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-07-09
BOL NO.	Customer PO NO.	# S/O
N008850	72811	N001177

CFN	CRN Description
-----	-----------------

6400120CQGVSTE24	4" x 0.120" CQ Galv Saw Two ends 24' <i>tu galv 4 1/2 x 125 x 24</i>
------------------	--

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
749252	0.1700	0.7200	0.0040	0.0070	0.0001	0.0200	0.0700	0.0200	0.0400		0.0010	0.0040	0.0020	0.0400		0.0030	0.0020	0.0000	0.0050

MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 4.000 X 0.120 X 288.000	PSI	JPR1 00371											30000	48000				Pass

MILL	HEAT#	Country of Origin
Clotures Directes	749252	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

Authorized by the department of quality control



NOTRE No DE COMMANDE - OUR SALES ORDER NO. PTM9-5958	No DE BON DE COMMANDE DU CLIENT-CUSTOMER'S ORDER NO. 1788
DATE DE RÉCEPTION - DATE ENTERED 27/10/15	No DE CONNAISSANCE - BILL OF LADING NUMBER PTU52125
FAB - FOB DESTINATION JHC QCinc 90528795	
ACHEMINEMENT - ROUTING 01/04/16 PREPAID	
No. DE PERMIS PROVINCIAL - PROVINCIAL LICENCE No.	

CERTIFICAT D'ESSAI - TEST CERTIFICATE

VENDU À - SOLD TO

Clotures Directes Inc
238 Boul. Industriel
Chateauguy (QUEBEC) Canada
J6J 4Z2

EXPÉDIÉ À - SHIPPED TO

Clotures Directes Inc
238 Boul. Industriel
Chateauguy (QUEBEC) Canada
J6J 4Z2

NOTES: THIS IS COMMERCIAL QUALITY MATERIAL

CODE CODE	NO D'ART. ITEM NO.	DESCRIPTION DESCRIPTION	NO DE COULÉE HEAT NO.	LIMITE D'ÉLASTICITÉ YIELD STRENGTH	RÉSISTANCE À LA RUPT. ULTIMATE STRENGTH	ALLONGEMENT % ELONGATION
6579713	15	Manufacturing: Pipe produced in Canada HSS ROUND, ERW, GALV, SAW TWO ENDS 4" X .237 X 21' <i>tuyau galv 4 1/2 x 23.7 x 21</i>		30000	48000	0
Cont.: ...						

ANALYSE CHIMIQUE - CHEMICAL ANALYSIS %

NO D'ART. ITEM NO.	NO DE COULÉE HEAT NO.	C	Mn	P	S	Si	V	Nb	Cu	Ni	Cr	Mo	Al	Ti	Sn	N
		MAX 0.30	MAX 1.20	MAX .050	MAX .045	MAX 0.20	MAX .050	MAX .020	MAX 0.30	MAX 0.15	MAX 0.15	MAX .050	MAX .090			

DATE D'ÉMISSION / DATE ISSUED
2016/05/27



Test Certificate

SHIP TO		SOLD TO		Ship Date
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada		Clotures Directes Inc		2018-07-09
6400237CQGVSTE24		BOL NO.	Customer PO NO.	# S/O
	4" x 0.237" CQ Galv Saw Two ends 24'	N008852	72800	N001178

totw galv 4 1/2 x 237 x 24

Authorized by the department of quality control

CHEMICAL ANALYSIS																			
HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
787121	0.1900	0.8000	0.0110	0.0070	0.0002	0.0200	0.0350	0.0110	0.0360		0.0050	0.0050	0.0020	0.0410		0.0040	0.0020	0.0002	0.0020
MECHANICAL TEST RESULTS																			
HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail			N-Fact	R-Fact	Crush			
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile	Elong %						
	PIPE 4.000 X 0.237 X 288.000	PSI	JPR1 00367											30000	48000				Pass
MILL					HEAT#					Country of Origin									
Stelco					787121					Canada									
Description:																			
Note: THIS IS COMMERCIAL QUALITY MATERIAL																			

Test Certificate

SHIP TO
ST000014 Clotures Directes Inc 238 Boul. Industriel Chateauguay Quebec J6J 4Z2 Canada

SOLD TO		Ship Date
Clotures Directes Inc		2018-05-31
BOL NO.	Customer PO NO.	# S/O
N008390	72800	N001178

RECU 3

MAY 2018

MILL	HEAT#	Country of Origin
Stelco	786488	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6600134CQGVSTE24	6" x 0.134" CQ Galv Saw Two ends 24' <i>tuycw 65/6 x 134 x 24</i>

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
3611D4	0.1700	0.6600	0.0120	0.0020		0.0300	0.0200	0.0100	0.0200		0.0000	0.0000	0.0000	0.0250		0.0052			0.0010

MECHANICAL TEST RESULTS

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail		N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile				Elong %
	PIPE 6.000 X 0.134 X 288.000	PSI	JPR1 00270									30000	48000			Pass

MILL	HEAT#	Country of Origin
Algoma Steel	3611D4	Canada

Description:

Note: THIS IS COMMERCIAL QUALITY MATERIAL

CPN	CPN Description
6600280CQGVSTE24	6" x 0.280" CQ Galv Saw Two ends 24' <i>tuycw 65/6 x 280 x 24</i>

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
277353	0.0600	0.6300	0.0080	0.0080	0.0001	0.0200	0.0600	0.0100	0.0500	0.0009	0.0350	0.0050	0.0020	0.0500		0.0052	0.0020	0.0002	0.0010

MECHANICAL TEST RESULTS

HEAT#	PRODUCT / SIZE	UOM	Mech. Code	RB#	Head			Middle			Tail		N-Fact	R-Fact	Crush	
					Yield	Tensile	Elong %	Yield	Tensile	Elong %	Yield	Tensile				Elong %
	PIPE 6.000 X 0.280 X 288.000	PSI	JPR1 00297									30000	48000			Pass

MILL	HEAT#	Country of Origin
	277353	Canada