



INSPECTION AND SPECIFICATION REPORT

No. 1507

Customer:	Lacombe
Transportation:	Truck
Destination:	BC
Customer's No.:	LAC 2024161 - last

NLGA*: MFR spec.

Mar 4, 2025

Dan Spiers - in person

Inspector

David Coyd.
Canadian Softwood Inspection Agency, Inc.

March 7, 2025

Date _____

[illegible]

* All timbers received were grade stamped by manufacturer.



Ave: _____ Charge No.: _____

[illegible]

OXFORD LAB-X 2500

POLES ANALYSIS

3/3/2025 16:13

Calibration title: CCA Poles-pcf

WELCO LAC #4161

SAMPLE ID: 250132

DENSITY = 26.7 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.54 g

	%WT OXIDES	%BALANCE
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CR03 =	1.589 %	47.5
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CU0 =	0.562 %	16.8
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AS205 =	1.191 %	35.6
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TOTAL =	3.342 %WT	100.0
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RETENTION

CR03 = 0.425 pcf

CU0 = 0.150 pcf

AS205 = 0.318 pcf

TOTAL= 0.893 pcf



RECORD OF PRESSURE TREATMENT Charge No. : 250132					
Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. : 3.80 %		
Cylinder : 3	Operator : Mark	Volume : 1062 C.F.	Moisture : 22.0 %		
Specified Net Retention		Date In (d/m/y): 28/ 02/ 2025	TIME IN : 20:49		
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date Out (d/m/y): 01/ 03/ 2025	TIME OUT : 00:46		

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
4161	Atco WELCO	Poles Timbers	WRC Fir	4 3x12	45 20	20 96	582.0 480.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	20.82	21.32	24.0 "hg	58	0.50
Filling	21.32	21.48	0.0 "hg	59	0.17
Soaking	21.48	21.48	0.0 "hg	59	0.00
Vac Release	21.48	21.50	1 "hg	59	0.02
Pressure	21.50	23.00	145 PSI	61	1.51
Press. Release	23.00	23.05	130. PSI	61	0.04
Pump Out	23.05	23.47	0.0 PSI	61	0.42
Final Vacuum	23.47	0.47	24.0 "hg	61	1.00
Vac Release	0.47	00.57	-12 "hg	62	0.10
Final Strip	0.57	00.77	0 "hg	62	0.19
Down Time	0.05 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					3.94 Hrs
Total Cycle (Cycle Running Time + Pause Time)					3.94 Hrs

Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.37	61	14768
End Fill for Pressure B	5.03	61	5562
End Pressure Period C	4.46	60	4932
End Final Drain D	12.92	60	14276

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	630	256	0.24
Net Retention	(A-D)	492	200	0.19

Pressure Treat to Refusal: 1.50 HRS

Operator : _____ Foreman : _____

1 March, 2025

RECORD OF PRESSURE TREATMENT Charge No. : 250132

Plant : Prince G	Process : FIXATION	Preserv.Type : CCA	Concentr. 3.80 %
Cylinder : 3		Volume : 1062 C.F.	Moisture : 22.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 01/03/2025	TIME IN : 6.68
		Date Out (d/m/y): 01/03/2025	TIME OUT : 10.92

Treating Cycle Summary

Operation	Start	End	Temper.(°F)	Run Time
Heating	6.68	6.92	150	0.25
Fixation	6.92	10.92	180	4.00
Down Time	0.38 Hrs	Pause Time		0.00 Hrs
Cycle Running Time				4.25 Hrs
Total Cycle (Cycle Running Time + Pause Time)				4.25 Hrs

Time (Hrs)	Temper. (°F)
7.92	174
8.92	180
9.92	180
10.92	180

Operator : _____ Foreman : _____



Prince George Operation
7177 Pacific St, Prince George, BC
250-561-1161

Penetration Report

Customer/Order#: WELCO LAC# 4161
Charge#: 25-0132
Product/Commodity: CSA TIMBERS
Standard/Spec: CUST SPEC

Preservative: CCA
Ref#:
Species: HEM
Production Date: 1/3/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	10	10	100%
2	12	12	100%
3	12	12	100%
4	31	31	100%
5	18	18	100%
6	17	17	100%
7	10	10	100%
8	18	18	100%
9	15	15	100%
10	10	10	100%
11	11	11	100%
12	10	10	100%
13	13	13	100%
14	14	14	100%
15	15	15	100%
16	12	12	100%
17	11	11	100%
18	13	13	100%
19	18	18	100%
20	25	25	100%

Penetration (mm): 10 25
Min Max

MC (%):
Low High

Comments:

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 25
Min Max

% Conformance: 100%

DOA: MAR/03/2025
QC: Norm Wood/Brayden Smith
INSP: Dan Spiers

Print

Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.
Address 4445 LOUGHEED HWY.SUITE 1001
BURNABY BC V5C0E4 CA.

Contact:
Customer's Order #: LAC-4161
SJI Order#: 20242457
Commodity: TIMBERS
Species: HEM

Quantity	Dimensions	Length (in feet)
96	3X12	20

Treating Plant: SJI Prince George
Preservative: CCA
Charge # 25-0132
Net Retention: 0.893PCF
Shipping Plant: SJI Prince George
Date of Issuance: MAR/03/2025

Norm Wood/Brayden Smith
Quality Control Co-ordinator

Ryan Booth
Plant Manager

OXFORD LAB-X 2500

POLES ANALYSIS

28/2/2025 14:26

Calibration title: CCA Poles-pcf

WELEO LAC #4161

SAMPLE ID: 250126

DENSITY = 24.8 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.36 g

%WT OXIDES	%BALANCE
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CR03 = 1.501 %	46.0
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CU0 = 0.561 %	17.2
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AS205 = 1.201 %	36.8
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TOTAL = 3.262 %WT	100.0
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RETENTION

CR03 = 0.373 pcf

CU0 = 0.139 pcf

AS205 = 0.298 pcf

TOTAL= 0.810 pcf

Stella Jones

RECORD OF PRESSURE TREATMENT Charge No. : 250126

Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. 2.77 %
Cylinder : 3	Operator : EARL	Volume : 1103 C.F.	Moisture : 22.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 26/02/2025	TIME IN : 23:34
		Date Out (d/m/y): 27/02/2025	TIME OUT : 03:31

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	TEL WELCO	POLES TIMBERS	WRC HEM	3 3X12	35 20	38 48	863.0 240.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	23.57	0.07	23.7 "hg	61	0.50
Filling	0.07	0.23	0.0 "hg	62	0.17
Soaking	0.23	0.23	0.0 "hg	62	0.00
Vac Release	0.23	0.25	1 "hg	62	0.02
Pressure	0.25	1.77	144 PSI	64	1.51
Press. Release	1.77	01.82	130. PSI	64	0.05
Pump Out	1.82	2.23	0.0 PSI	64	0.42
Final Vacuum	2.23	3.23	23.4 "hg	65	1.00
Vac Release	3.23	03.33	0 "hg	65	0.10
Final Strip	3.33	03.52	0 "hg	65	0.19
Down Time	0.49 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					3.94 Hrs
Total Cycle (Cycle Running Time + Pause Time)					3.94 Hrs

Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	l.Gal.@ °F
Start A	13.37	63	14768
End Fill for Pressure B	5.36	64	5927
End Pressure Period C	4.75	63	5252
End Final Drain D	12.89	62	14241

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	674	200	0.18
Net Retention	(A-D)	526	156	0.14

Pressure Treat to Refusal: ??? HRS

Operator : _____ Foreman : _____

RECORD OF PRESSURE TREATMENT Charge No. : 250126

Plant : Prince G	Process : FIXATION	Preserv.Type : CCA	Concentr. 2.77 %
Cylinder : 3		Volume : 1103 C.F.	Moisture : 22.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 27/02/2025	TIME IN : 6.95
		Date Out (d/m/y): 27/02/2025	TIME OUT : 11.38

Treating Cycle Summary				
Operation	Start	End	Temper.(°F)	Run Time
Heating	6.95	7.38	150	0.43
Fixation	7.38	11.38	180	4.00
Down Time	4.19 Hrs		Pause Time	0.00 Hrs
Cycle Running Time				4.43 Hrs
Total Cycle (Cycle Running Time + Pause Time)				4.43 Hrs

Time (Hrs)	Temper. (°F)
8.38	175
9.38	180
10.38	180
11.38	180

Operator : _____ Foreman : _____



Prince George Operation
7177 Pacific St, Prince George, BC
250-561-1161

Penetration Report

Customer/Order#: WELCO LAC# 4161
Charge#: 25-0126
Product/Commodity: CSA TIMBERS
Standard/Spec: CUST SPEC

Preservative: CCA
Ref#:
Species: HEM
Production Date: 27/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3X12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	13	13	100%
2	15	15	100%
3	16	16	100%
4	17	17	100%
5	17	17	100%
6	11	11	100%
7	18	18	100%
8	16	16	100%
9	17	17	100%
10	12	12	100%
11	15	15	100%
12	15	15	100%
13	15	15	100%
14	13	13	100%
15	15	15	100%
16	14	14	100%
17	13	13	100%
18	12	12	100%
19	11	11	100%
20	10	10	100%

Penetration (mm): 10 18
Min Max

MC (%):
Low High

Comments:

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 18
Min Max

% Conformance: 100%

DOA: FEB/28/2025
QC: Norm Wood/Brayden Smith
INSP: Dan Spiers

Print

Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

Certificate of Treatment

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Customer Name: WELCO LUMBER CORP.
Address 4445 LOUGHEED HWY.SUITE 1001
BURNABY BC V5C0E4 CA.

Contact:

Customer's Order #: LAC-4161

SJI Order#: 20242457

Commodity: TIMBERS

Species: HEM

[illegible]

Treating Plant: SJI Prince George
Preservative: CCA
Charge #: 25-0126
Net Retention: 0.808pcf
Shipping Plant: SJI Prince George
Date of Issuance: feb/28/2025

Norm Wood/Brayden Smith
Quality Control Co-ordinator

Ryan Booth
Plant Manager

OXFORD LAB-X 2500

POLES ANALYSIS

28/2/2025 14:34

Calibration title: CCA Poles-pcf

WELCO -LAC-#2/161

SAMPLE ID: 250127

DENSITY = 26.5 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.52 g

%WT OXIDES	%BALANCE
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CR03 = 1.273 %	47.3
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CU0 = 0.453 %	16.8
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AS205 = 0.969 %	36.0
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TOTAL = 2.695 %WT	100.0
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RETENTION

CR03 = 0.338 pcf

CU0 = 0.120 pcf

AS205 = 0.257 pcf

TOTAL= 0.715 pcf



RECORD OF PRESSURE TREATMENT Charge No. : 250127

Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. 3.70 %
Cylinder : 3	Operator :JEFF	Volume : 1062 C.F.	Moisture : 23.0 %
Specified Net Retention			
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 27/ 02/ 2025	TIME IN : 07:50
		Date Out (d/m/y): 27/ 02/ 2025	TIME OUT: 11:48

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	ATCO WELCO	POLES TIMBERS	WRC DFIR	4 3X12	45 20	20 96	582.0 480.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	7.83	8.33	24.1 "hg	58	0.50
Filling	8.33	8.50	0.0 "hg	59	0.18
Soaking	8.50	8.50	0.0 "hg	59	0.00
Vac Release	8.50	8.52	1 "hg	59	0.02
Pressure	8.52	10.03	144 PSI	62	1.51
Press. Release	10.03	10.07	130. PSI	62	0.05
Pump Out	10.07	10.52	0.0 PSI	62	0.45
Final Vacuum	10.52	11.52	23.9 "hg	61	1.00
Vac Release	11.52	11.62	-12 "hg	61	0.10
Final Strip	11.62	11.80	-0 "hg	61	0.18
Down Time	0.06 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					3.97 Hrs
Total Cycle (Cycle Running Time + Pause Time)					3.97 Hrs

Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.37	63	14768
End Fill for Pressure B	4.86	63	5370
End Pressure Period C	4.31	62	4765
End Final Drain D	12.90	62	14256

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	605	240	0.23
Net Retention	(A-D)	511	203	0.19

Pressure Treat to Refusal: ??? HRS

Operator : _____ Foreman : _____



RECORD OF PRESSURE TREATMENT Charge No. : 250127					
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA		Concentr. 3.70 %
Cylinder : 3			Volume : 1062	C.F.	Moisture : 23.0 %
Specified Net Retention					
Assay: 0.00 pcf		Gauge: 0.00 pcf		Date In (d/m/y): 27/02/2025	TIME IN : 13.38
				Date Out (d/m/y): 27/02/2025	TIME OUT : 17.73

Treating Cycle Summary					
Operation	Start	End	Temper.(°F)	Run Time	
Heating	13.38	13.73		150	0.35
Fixation	13.73	17.73		180	4.00
Down Time	0.15 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					4.35 Hrs
Total Cycle (Cycle Running Time + Pause Time)					4.35 Hrs

Time (Hrs)	Temper. (°F)
14.73	175
15.73	180
16.73	180
17.73	180

Operator : _____ Foreman : _____



Prince George Operation
7177 Pacific St, Prince George, BC
250-561-1161

Penetration Report

Customer/Order#: WELCO LAC# 4161

Charge#: 25-0127

Product/Commodity: CSA TIMBERS

Standard/Spec: CUST SPEC

Preservative: CCA

Ref#:

Species: HEM

Production Date: 27/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	13	13	100%
2	12	12	100%
3	25	25	100%
4	11	11	100%
5	11	11	100%
6	10	10	100%
7	12	12	100%
8	13	13	100%
9	17	17	100%
10	20	20	100%
11	17	17	100%
12	11	11	100%
13	16	16	100%
14	12	12	100%
15	13	13	100%
16	17	17	100%
17	13	13	100%
18	11	11	100%
19	10	10	100%
20	10	10	100%

Penetration (mm): 10 25
Min Max

MC (%):
Low High

Comments:

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 25
Min Max

% Conformance: 100%

DOA: FEB/28/2025

QC: Norm Wood/Brayden Smith

INSP: Dan Spiers

Print


Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.
Address 4445 LOUGHEED HWY.SUITE 1001
BURNABY BC V5C0E4 CA.

Contact:

Customer's Order #: LAC-4161

SJI Order#: 20242457

Commodity: TIMBERS

Species: HEM

Quantity	Dimensions	Length (in feet)
96	3X12	20

Treating Plant: SJI Prince George
Preservative: CCA
Charge # 25-0127
Net Retention: 0.808PCF
Shipping Plant: SJI Prince George
Date of Issuance: FEB-28-2025

Norm Wood/Brayden Smith
Quality Control Co-ordinator

Ryan Booth
Plant Manager

OXFORD LAB-X 2500

POLES ANALYSIS

28/2/2025 15:43

Calibration title: CCA Poles-pcf

LAC-#4161-WELCO

SAMPLE ID: 250128

DENSITY = 25.5 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.42 g

	%WT OXIDES	%BALANCE
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CR03 =	0.912 %	46.6
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CU0 =	0.338 %	17.2
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AS205 =	0.708 %	36.2
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TOTAL =	1.957 %WT	100.0
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RETENTION

CR03 = 0.232 pcf

CU0 = 0.086 pcf

AS205 = 0.180 pcf

TOTAL= 0.498 pcf



RECORD OF PRESSURE TREATMENT						Charge No. : 250128	
Plant : Prince George		Process : FULL CELL		Preserv.Type : CCA		Concentr.	3.95 %
Cylinder : 3		Operator :JEFF		Volume : 1051 C.F.		Moisture :	23.0 %
Specified Net Retention				Date In (d/m/y): 27/ 02/ 2025		TIME IN : 13:48	
Assay: 0.00 pcf		Gauge: 0.00 pcf		Date Out (d/m/y): 27/ 02/ 2025		TIME OUT : 17:44	

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	TELUS WELCO	POLES TIMBERS	WRC DFIR	3 3X12	35 20	41 24	931.0 120.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	13.80	14.30	23.8 "hg	61	0.50
Filling	14.30	14.47	0.0 "hg	61	0.18
Soaking	14.47	14.47	0.0 "hg	61	0.00
Vac Release	14.47	14.48	1 "hg	61	0.02
Pressure	14.48	16.00	145 PSI	62	1.51
Press. Release	16.00	16.03	130. PSI	62	0.04
Pump Out	16.03	16.48	0.0 PSI	62	0.45
Final Vacuum	16.48	17.48	23.9 "hg	62	1.00
Vac Release	17.48	17.58	-12 "hg	61	0.10
Final Strip	17.58	17.73	-0 "hg	61	0.16
Down Time	0.96 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					3.94 Hrs
Total Cycle (Cycle Running Time + Pause Time)					3.94 Hrs

Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.36	62	14758
End Fill for Pressure B	4.84	63	5346
End Pressure Period C	4.36	62	4814
End Final Drain D	12.94	62	14301

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	531	225	0.21
Net Retention	(A-D)	457	194	0.18

Pressure Treat to Refusal: 1.50 HRS

Operator : _____ Foreman : _____

Stella Jones

Charge No. : 250128

RECORD OF PRESSURE TREATMENT Charge No. : 250128					
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA		Concentr. : 3.95 %
Cylinder : 3			Volume : 1051 C.F.	Moisture : 23.0 %	
Specified Net Retention					
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 27/02/2025	TIME IN : 20.98		
		Date Out (d/m/y): 28/02/2025	TIME OUT : 1.32		

Treating Cycle Summary					
Operation	Start	End	Temper.(°F)	Run Time	
Heating	20.98	21.32	150	0.32	
Fixation	21.32	1.32	182	4.00	
Down Time	0.19 Hrs		Pause Time	0.00 Hrs	
Cycle Running Time				4.32 Hrs	
Total Cycle (Cycle Running Time + Pause Time)				4.32 Hrs	

Time (Hrs)	Temper. (°F)
22.32	180
23.32	180
0.32	182
1.32	182

Operator : _____ Foreman : _____



Prince George Operation
7177 Pacific St, Prince George, BC
250-561-1161

Penetration Report

Customer/Order#: WELCO LAC# 4161
Charge#: 25-0128
Product/Commodity: CSA TIMBERS
Standard/Spec: CUST SPEC

Preservative: CCA
Ref#:
Species: HEM
Production Date: 27/02/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
24	3X12	20

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	13	13	100%
2	18	18	100%
3	25	25	100%
4	11	11	100%
5	20	20	100%
6	18	18	100%
7	13	13	100%
8	13	13	100%
9	23	23	100%
10	13	13	100%
11	17	17	100%
12	18	18	100%
13	11	11	100%
14	15	15	100%
15	15	15	100%
16	16	16	100%
17	10	10	100%
18	13	13	100%
19	10	10	100%
20	18	18	100%

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

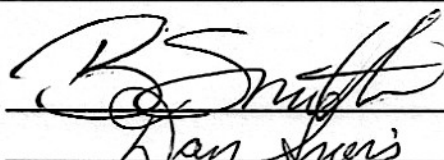
Penetration (mm): 10 25
Min Max
MC (%):
Low High

Sapwood (mm): 10 25
Min Max
% Conformance: 100%

Comments:

DOA: FEB/28/2025
QC: Norm Wood/Brayden Smith
INSP: Dan Spiers

Print


Signature



7177 Pacific Street, Prince George, BC V2N 5S4

Phone: (250) 561-1161

Certificate of Treatment

This is to certify that the material described below has been pressure treated to the requirements of CSA Standards and the Best Management Practices.

Customer Name: WELCO LUMBER CORP.
Address 4445 LOUGHEED HWY.SUITE 1001
BURNABY BC V5C0E4 CA.

Contact:
Customer's Order #: LAC-4161
SJI Order#: 20242457
Commodity: TIMBERS
Species: HEM

Quantity	Dimensions	Length (in feet)
24	3X12	20

Treating Plant: SJI Prince George
Preservative: CCA
Charge # 25-0128
Net Retention: 0.498PCF
Shipping Plant: SJI Prince George
Date of Issuance: FEB-28-2025

Norm Wood/Brayden Smith
Quality Control Co-ordinator

Ryan Booth
Plant Manager

OXFORD LAB-X 2500

POLES ANALYSIS

3/3/2025 15:56

Calibration title: CCA Poles-pcf

WELCO - LAC #4/K1

SAMPLE ID: 250129

DENSITY = 26.1 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.46 g

	%WT OXIDES	%BALANCE
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CR03 =	1.454 %	47.3
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CU0 =	0.514 %	16.7
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AS205 =	1.109 %	36.0
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TOTAL =	3.077 %WT	100.0
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RETENTION

CR03 = 0.380 pcf

CU0 = 0.134 pcf

AS205 = 0.289 pcf

TOTAL= 0.803 pcf



RECORD OF PRESSURE TREATMENT Charge No. : 250129					
Plant : Prince G	Process : FULL CELL	Preserv.Type : CCA	Concentr. 3.62 %		
Cylinder : 3	Operator : EARL	Volume : 1000 C.F.	Moisture : 22.0 %		
Specified Net Retention					
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 28/ 02/ 2025	TIME IN : 00:06		
		Date Out (d/m/y): 28/ 02/ 2025	TIME OUT : 04:03		

Order #	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH	POLES	WRC	2	45	11	420.0
	BCH	POLES	WRC	3	45	3	100.0
	WELCO	TIMBERS	DF	3X12	20	96	480.0

Treating Cycle Summary					
Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	0.10	0.60	24.7 "hg	50	0.50
Filling	0.60	0.77	0.0 "hg	55	0.17
Soaking	0.77	0.77	0.0 "hg	55	0.00
Vac Release	0.77	0.80	1 "hg	56	0.02
Pressure	0.80	2.30	145 PSI	61	1.51
Press. Release	2.30	02.33	130. PSI	61	0.04
Pump Out	2.33	2.77	0.0 PSI	61	0.43
Final Vacuum	2.77	3.77	24.1 "hg	61	1.00
Vac Release	3.77	03.87	-12 "hg	62	0.10
Final Strip	3.87	04.05	0 "hg	62	0.18
Down Time	0.20 Hrs		Pause Time		0.00 Hrs
Cycle Running Time					3.95 Hrs
Total Cycle (Cycle Running Time + Pause Time)					3.95 Hrs

Material

Preservative Retention Summary			
Charging Tank Reading	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start A	13.37	62	14768
End Fill for Pressure B	4.81	63	5316
End Pressure Period C	4.24	62	4681
End Final Drain D	12.86	61	14207

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	635	246	.025
Net Retention	(A-D)	561	218	0.22

Pressure Treat to Refusal: 1.50 HRS

Operator : _____ Foreman : _____

RECORD OF PRESSURE TREATMENT Charge No. : 250129				
Plant : Prince G	Process : FIXATION		Preserv.Type : CCA	Concentr. 3.62 %
Cylinder : 3			Volume : 1000 C.F.	Moisture : 22.0 %
Specified Net Retention				
Assay: 0.00 pcf	Gauge: 0.00 pcf	Date In (d/m/y): 28/02/2025	TIME IN : 7.25	
		Date Out (d/m/y): 28/02/2025	TIME OUT: 11.65	

Treating Cycle Summary				
Operation	Start	End	Temper.(°F)	Run Time
Heating	7.25	7.65	150	0.40
Fixation	7.65	11.65	180	4.00
Down Time	3.29 Hrs	Pause Time		0.00 Hrs
Cycle Running Time				4.40 Hrs
Total Cycle (Cycle Running Time + Pause Time)				4.40 Hrs

Time (Hrs)	Temper. (°F)
8.65	177
9.65	180
10.65	180
11.65	180

Operator : _____ Foreman : _____



Prince George Operation
7177 Pacific St, Prince George, BC
250-561-1161

Penetration Report

Customer/Order#: WELCO LAC# 4161

Charge#: 25-0129

Product/Commodity: CSA TIMBERS

Standard/Spec: CUST SPEC

Preservative: CCA

Ref#:

Species: HEM

Production Date: 1/3/2025

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	11	10	100%
2	12	12	100%
3	10	12	100%
4	10	31	100%
5	13	18	100%
6	12	17	100%
7	18	10	100%
8	12	18	100%
9	11	15	100%
10	13	10	100%
11	15	11	100%
12	10	10	100%
13	16	13	100%
14	15	14	100%
15	11	15	100%
16	13	12	100%
17	15	11	100%
18	35	13	100%
19	18	18	100%
20	17	25	100%

Penetration (mm): 10 35
Min Max

MC (%):
Low High

Comments:

QTY	Class (pole) / Dimension (in.)	Length (ft.)

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Sapwood (mm): 10 35
Min Max

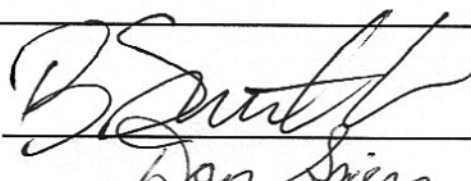
% Conformance: 100%

DOA: MAR/03/2025

QC: Norm Wood/Brayden Smith

INSP: Dan Spiers

Print


Dan Spiers
Signature

