

# Canadian Softwood Inspection Agency, Inc. TREATED WOOD PRODUCTS

Ins	pection	and	<b>Progress</b>	Report
	PCC		09. 633	cpo.t

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Mor	nuf. And Lo	ootion:	Sta	ella Jones					eatment Spec nuf. P / O No		CC	٦.٨				Date:		Jul	y 12. 2023
iviai	iui. Aliu Lo	calion.		ince Georg	ıe R	C		_	asoning (MC			A							
Des	tination:		11	ince Georg	5c, D			_	asoning (we	Ma). Ma)			_						
	med To Dra	wing:		YES	Inci	sed:	YES	_		Ave			_			Charge	No.:		
		Ū						_								Ū			
			PE	NETRAT	ION	RESU	LTS					MA	ΓERI	AL	INS	PECT	ED		
V	Incised Zo	ne				mm				Process:			OWRY			RUEPING			
	Non-incise	d Zone				eighths						<b>√</b> FU	JLL CEL	.L		REFUSAL			
	DEPTH SAPWOOD	- 1	PTH PEN	% SAP SAPWOOD		DEPTH SAPWO		DEPTH PEN	% SAP SAPWOOD	ITEM		NO. OF PIECE	S SIZ	ZE/CL	ASS	LENGT	н		Lineal Fbm
1					1					HEMLO									
2					2					1&BTF	?			X					0
3					3							312	3	X	12	16			4976
4					4		_					528	3	X	12	20	_	3	1680
5		-			5		_						+	X			-		0
6					6								+-	X	$\square$		_		0
7 8		+			8		-						+	X			-		0
9		+			9		_						+	X			-+		0
0					0								+	X			-		0
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				PRESEI								TREAT	ING	CY			MAR	Y	
	Creosote					CCA				Stage		TIME N	MAX. TE	MP.	MAX	. PRESS.	VAC	UUM	CONDEN.
	Pentachlo	ropheno	ol			ACQ				Pre-condition									
믜	ACZA					50/50 m				Initial Vacuum									
			R	ETENTIO	N B					Bath									
REC		0.25		<b>☑</b> 0.40	П	<b>1</b> 0.60	0	<b>1</b> 0	lbs	Boil In Oil									
<u> </u>		NCISED	ZONE		-		NON-IN	CISED ZON	E	Initial Air					_				
_	Outer			Inner	₽					Pressure									
<u> </u>					1					Exp Bath									
										Final vacuum									
			RI	ETENTIO	N B	Y GAU	GE			Steam / Fix									
REC	UIRED:			GALS	. RET	AINED			GALS.	TOTAL TIME F	OR T	REATING					hrs		
REC	QUIRED:			pcf	RET	AINED			pcf	MARKING ON	ACCE	EPTED PIECE	S: (	25	<b>3/</b> .	5N	☑ Y	es andom	☐ No
<u> </u>										REMARKS	_l -	ala Tissii		e -	<b></b>	00.			
				DIMM		A T T T T				Hn Hn	nio	ck Timbe	ers 1	& I	31K	CCA			
	05.5:55			RUNNIN	G T	ALLY													
	OF PIECES F		J:						-										
	EVIOUSLY AC					0.40			-										
	CEPTED THIS					840			-			Inspe	ct	or	_ Г	)an	Sni	erc	
101	TAL ACCEPTE	ו טו טA	i E:						-	_		spt				<i>-</i> 411	-bi	<u> </u>	

#### OXFORD LAB-X 2500

#### POLES ANALYSIS

7/7/2023 15:20

Calibration title: CCA Poles-pcf

SAMPLE ID: 230669

\*\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 21.7 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.06 g

\*\*\*\*\*\*\*\*\*\*\*\*\*

%WT OXIDES %BALANCE

CR03 = 2.220 % 47.2

CUO = 0.870 % 18.5

AS205 = 1.616 % 34.3

TOTAL = 4.706 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*\*\*

#### RETENTION

CR03 = 0.481 pcf

CUO = 0.189 pcf

AS205 = 0.350 pcf

TOTAL= 1.020 PCf

\***\*** 



Plant: Prince G. Process: FULL CELL Preserv.Type: CCA Concentr. 2.99 %

Cylinder: 3 Operator:kyle Volume: 1116 C.F. Moisture: 23.0 %

Specified Net Retention

Assay: 0.00 pcf Gauge: 0.00 pcf

Date In (d/m/y): 06/07/2023 Date Out (d/m/y): 06/07/2023 TIME IN: 16.03 TIME OUT: 20.97

Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH WELCO	POLES TIMBERS	WRC	2 3X12	50 20	14 96	636.0 480.0

Operation	Start	End	Press./Vac.	Temper.(°F	) Run Time
Initial Vacuum	16.03	16.53	21.2 "hg	77	0.50
Filling	16.53	16.70	20.8 "hg	77	0.17
Soaking	16.70	16.70	13.3 "hg	74	0.00
Vac Release	16.70	16.73	2 "hg	74	0.02
Pressure	16.73	19.73	143 PSI	74	3.01
Press. Release	19.73	19.77	130. PSI	74	0.04
Pump Out	19.77	20.20	0.0 PSI	74	0.44
Final Vacuum	20.20	20.70	-10. "hg	75	0.50
Vac Release	20.70	20.78	1 "hg	76	0.08
Final Strip	20.78	20.97	1 "hg	76	0.17
Down Time	0.32	2 Hrs	Pause '	Time	0.00 Hrs
		Сус	le Running	Time	4.92 Hrs
Total Cycle (Cyc	le Runr	ina Tin	ne + Pause	Time)	4.92 Hrs

### Material

Preservativ		<u>etention</u>	Summe	LA MERITA
Charging Tank Readi	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	A	13.36	72	14763
End Fill for Pressure	В	5.16	72	5700
End Pressure Period	С	3.99	73	4410
End Final Drain	D	12.19	73	13474

Absorption & Rete	entions	Imp.Gals	Peunds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1289	413	0.37
Net Retention	(A-D)	1289	413	0.37

1000-000-000	Foreman:	
Operator :	rotelitali.	

		RE	CORI	OF	PRE	SSURE TREA	TME	NT C	harge No. : 2	30669
Plant : Prince G		Marine Marine	ss: FIXA	- a dominanter in		Preserv.Type :		I Mar	Concentr.	2.99 %
Cylinder: 3		7				Volume : 1116 C.F.			Moisture :	23.0 %
Assny:	0.00		Net Retent Gauge:	0.00	pcf	Date In (d/m/y): Date Out (d/m/y):	06/ 07 07/ 07	100000000000000000000000000000000000000	TIME IN :	

	er.(°F)	Run Time
	150	0.32
	169	5.50
Pause Time		0.00 Hrs
	De listo e	5.82 Hrs
	Pause Time	Pause Time

---

Time	Temper
(Hrs)	(°F)
23.15	178
0.15	164
1.15	165
2.15	167
3.15	169

Operator:	Foreman :	



# **Penetration Report**

Customer/Order#:	Welco	
Charge#:	23-0669	
Product/Commodity:	POLES	
Standard/Spec:	423-2000	

Preservative:	CCA	
Ref#:		
Species:	- CEDAR	Hombook
Production Date:	6/7/202	3

QTY	Class (pole) / Dimension (in.)	Length (ft.)
14	2	50

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

Core#	Penetration (mm)	Sapwood (mm)	Conformance		
1	15	15	100%		
2	24	24	100%		
3	10	10	100%		
4	21	21	100%		
5	34	34	100%		
6	15	15	100%		
7	25	25	100%		
8	25	25	100%		
9	45	45	100%		
10	11	11	100%		
11 12 13	35	35	100%		
	10	10	100%		
	26	26	100%		
14	10	10	100%		
15	15	15 15	100%		
16	14	14	100%		
17	11	11	100%		
18	50	50	100%		
19	37	37	100%		
20	11	11	100%		
20 AU 1894 (SA)		10	Γ0		

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23	inter the state of		
24			
25	Company of the Compan	eringstenasses Reintim ox	
26			
27	AND THE RESERVE OF THE PARTY OF	7.515.550 to 7.51	Control of the Contro
28			
29			
30			
31			
32			
33			
34	97 11 11 11		
35		The Livers	
36			
37			
38			
39			
40			

Penetration (mm):	10	50
	Min	Max
MC (%):		

Sapwood (mm):	10	50
	Min	Max
% Conformance:	100%	

Comments:

July/07/2023 DOA:

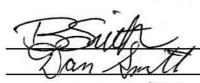
Norm Wood/Brayden Smith QC:

INSP: **Dan Spiers** 

Print

Low

High





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-1065

SJI Order#:

20066296

Commodity:

**TIMBERS** 

Species:

HEMLOCK

Quantity	Dimensions	Length (in feet)
96	3X12	20
		Del .

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0669

Net Retention:

1.020 PCF

Shipping Plant:

SJI Prince George

Date of Issuance:

JULY/07/2023

Norm Wood/Brayden Smith Quality Control Co-ordinator

Ryan Booth Plant Manager

#### OXFORD LAB-X 2500

#### POLES ANALYSIS

11/7/2023 15:02

Calibration title: CCA Poles-pcf

SAMPLE ID: 230670

\*\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 22.0 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.09 g

\*\*\*\*\*\*\*\*\*\*\*\*\*

%WT OXIDES %BALANCE

CR03 = 1.886 % 47.9

CUO = 0.657 % 16.7

AS205 = 1.391 % 35.3

TOTAL = 3.934 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*\*

#### RETENTION

CR03 = 0.415 pcf

CUO = 0.145 pcf

AS205 = 0.306 pcf

TOTAL = 0.865 pcf

\*\*\*\*\*\*\*\*\*\*\*\*\*



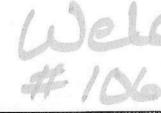
2.63 % Preserv.Type: CCA Concentr. Plant : Prince G Process : FULL CELL 24.0 % 1116 C.F. Volume: Moisture : Cylinder: 3 Operator : Mark

Specified Net Retention

0.00 pcf Gauge: 0.00 pcf

Date In (d/m/y): Date Out (d/m/y): 06/07/2023 07/07/2023

22.72 TIME IN: TIME OUT: 4.07



Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
20 11 11	Welco BCH	Timbers ORDER 10 POLES	5 Fir WRC	3x12 2	20 50	96 14	480.0 636.0
inc							
						1	

Operation	Start	End	Press./Vac.	Temp	er.(°F)	Run Time
Initial Vacuum	22.72	23.22	21.3 "hg		75	0.50
Filling	23.22	23.38	21.0 "hg		75	0.17
Soaking	23.38	23.38	13.1 "hg		73	0.00
Vac Release	23.38	23.40	1 "hg		73	0.02
Pressure	23.40	2.77	147 PSI	April 1	73	3.01
Press. Release	2.77	02.80	129. PSI		73	0.04
Fump Out	2.80	3.23	0.0 PSI		73	0.43
Final Vacuum	3.23	3.73	-10. "hg		74	0.50
Vac Release	3.73	03.82	0 "hg		74	0.08
Final Strip	3.82	04.07	1 "hg		74	0.24
Down Time	0.24	Hrs	Pause '	Time		0.35 Hrs
	- 27	Сус	le Running	Time	6.	5.00 Hrs
Total Cycle (Cyc	le Runr	ina Tin	ne + Pause	Time)		5.35 Hrs

### Material

Charging Tank Reading	ıg	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	A	13.36	72	14763
End Fill for Pressure	В	5.16	72	5705
End Pressure Period	С	3.80	73	4194
End Final Drain	D	12.09	73	13360

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1511	426	0.38
Net Retention	(A-D)	1403	396	0.35

Foreman: Operator:



	RECORD OF PRES	SURE TREATMENT C	harge No. : 230670
Plant : Prince G	Process: FIXATION	Preserv.Type: CCA	Concentr. 2.63 %
Cylinder: 3		Volume: 1116 C.F.	Moisture: 24.0 %
Assay:	Specified Net Retention 0.00 pcf Gauge: 0.00 pcf	Date In (d/m/y): 07/07/2023 Date Out (d/m/y): 07/07/2023	TIME IN: 7.28 TIME OUT: 13.12

Operation	Start	End		Temper.(°F	) Run Time
Heating	7.28	7.62		150	0.33
Fixation	7.62	13.12		174	5.50
Down Time	0.07	Hrs	Pause	Time	0.00 Hrs
	-	Cycle	Running	Time	5.83 Hrs
Total Cycle (C	ycle Runn	ing Time	+ Pause	Time)	5.83 Hrs

Time	Temper
(Hrs)	(°F)
8.62	169
9.62	168
10.62	169
11.62	172
12.62	174

		1
Operator :	Foreman:	N.



# **Penetration Report**

Customer/Order#:	WELCO
Charge#:	23-0670
Product/Commodity:	TIMBERS
Standard/Spec:	CUSTOMER SPEC

CCA
HEM
JULY/06/2023

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20
	3	
1 110	Same de la companya d	
1000	HOURS -	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
		THE RESERVE
200		

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

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23		The second	
24			
25			
26			
27			
28			
29	Anna Carlos		12 12 12 12 12 12 12 12 12 12 12 12 12 1
30			
31	Control (Control		1
32			
33		and the second	
34			
35			
36			
37	T - T - T - T - T - T - T - T - T - T -		
38		X === ====	
39			
40			

Penetration (mm):	9	17	Sapwood (mm):	9	17
	Min	Max		Min	Max
MC (%):			% Conformance:	100%	
10.0	Low	High	-	ALISME-DATEPOO	
Comments:					

DOA:	JULY/11/2023		
QC:	Norm wood/Mark whalley		
INSP:	DAN SPIERS		

Han Spiler Stenature



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 LOUGHED HWY SUITE 1001

BURNABY BC V5C 0E4 CA

Contact:

Customer's Order #: #1065

SJI Order#:

. 20066296 **TIMBERS** 

Commodity: Species:

LIEM

Quantity	Dimensions	Length (in feet)
96	3X12	20
= = 5.5		
	-	

Treating Plant:

SJI Prince George

Preservative:

CCA

Musual

Charge #

23-0670

Net Retention:

.865 PCF

Shipping Plant:

PRINCE GEORGE

Date of Issuance:

JULY/11/2023

Norm Wood/BraydenSmith Quality Control Co-ordinator

Ryan Booth Plant Manager

#### OXFGRD LAB-X 2500

#### POLES ANALYSIS

11/7/2023 15:10

Calibration title: CCA Poles-pcf

SAMPLE ID: 230671

\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 26.6 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.53 g.

\*\*\*\*\*\*\*\*\*\*\*\*

**%NT OXIDES %BALANCE** 

CR03 = 1.975 % 49.9

CUO = 0.664 % 16.8

AS205 = 1.318 % 33.3

TOTAL = 3.957 %WT 100.0

RETENTION

CR03 = 0.526 pcf

\*\*\*\*\*\*\*\*\*\*\*\*

CUO = 0.177 pcf

AS205 = 0.351 pcf

TOTAL= 1.053 pcf

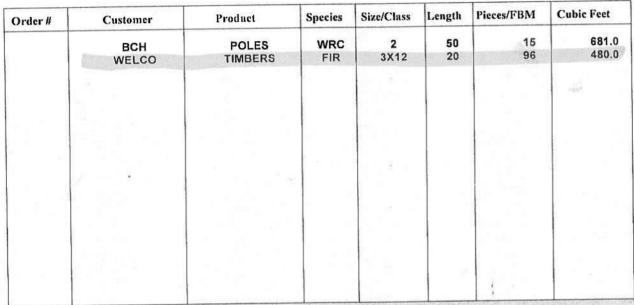
\*\*\*\*\*\*\*\*\*\*\*\*\*\*



2.56 % Preserv.Type: CCA Concentr. Plant : Prince G Process : FULL CELL 1161 C.F. 23.0 % Volume: Moisture : Cylinder: 3 Operator:JEFF

Specified Net Retention 0.00 pcf Gauge: 0.00 pcf Assay:

07/07/2023 Date In (d/m/y): Date Out (d/m/y): 07/07/2023



Moisture: 23.0	0/	H	20		5 V		Species .
Moisture: 23.0	70	11.2	A	A.	2000000	A COUNTY	THE STREET
	.05 .12	ngl.	L.	10	9	6	5
Tre	ating	Cyc	leS	Tio)	mel	1	
Operation	Start	End	Press./V	ac.	Tempo	r.(°F)	Run Tim
Initial Vacuum	8.05	8.62	21.8	"hg	7	1	0.50
Filling	8.62	8.83	21.5	"hg	7	′1	0.17
Soaking	8.83	8.83	13.3	"hg	7	71	0.00
Vac Release	8.83	8.85	1	"hg	1	71	0.02
Pressure	8.85	11.85	143	PSI		72	3.01
Press. Release	11.85	11.90	129.	PSI		72	0,05
Pump Out	11.90	12.33	0.0	PSI	X H	72	0.44
Final Vacuum	12.33	12.83	-10.	"hg		73	0.50
Vac Release	12.83	12.92	0	"hg		74	. 0.08
Final Strip	12.92	13.12	1	"hg		74	0.20
Down Time	0.08	Hrs	Pa	use 1	'ime	Jen.	0.12 H
		Сус	le Runi	ning '	rime .		4.96 H
Total Cycle (Cyc	. t	ing Tin	10 + D2		(ami)		5.07 H

### Material

Charging Tank Reading	g	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	A	13.37	70	14768
End Fill for Pressure	В	5.34	71	5897
End Pressure Period	С	4.09	71	4519
End Final Drain	D	12.19	71	13469

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1378	378	0.33
Net Retention	(A-D)	1299	357	0.31

Foroman :	
ruicilian .	
	Foreman:



	F	RECORD	OF.	PRES	SURE TREA	TME	NT C	arge No.: 2	30671
Plant : Prince G	Pr	ocess: FIXA	TION		Preserv.Type :	CCA		Concentr.	2.56 %
Cylinder: 3					Volume :	1161	C.F.	Moisture :	23.0 %
Assay:	Mean-triff:	fied Net Retent oof Gauge:	ion 0.00	pcf	Date In (d/m/y): Date Out (d/m/y):		7/2023 7/2023	TIME IN	13. <b>7</b> 7

	eating	Cyc	e Sum	mai	N.		
Operation	Start	End		Temp	er.(°F)	Run	Time
Heating	13.77	14.03		1	50	0	.26
Fixation	14.03	19.62		1	71	5	.59
Down Time	0.64	Hrs	Pause 1	rime .		0.00	Hrs
		Cycle	Running	Time		5.85	Hrs
Total Cycle (C)	ycle Runni	ing Time	+ Pause 1	(ime)	oliston.	5.85	Hrs

Time	Temper
(Hrs)	(°F)
15.03	175
16.03	165
17.03	167
18.03	169
19.03	171
	J. C

perator :	Foreman :	1



# **Penetration Report**

Customer/Order#:	WELCO	
Charge#:	23-0671	
Product/Commodity:	TIMBERS	
Standard/Spec:	CUSTOMER SPEC	_

Preservative:	CCA	
Ref#:		
Species:	HEM	
Production Date:	JULY/07/2023	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	20
sales de partir	A Property of the State of the	The state of the s

QTY	Class (pole) / Dimension (in.)	Length (ft.)
	- 100 CO	STATE OF THE STATE
		jaganili u

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

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23		Sales and the sa	
24			
25		4 2 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	
26			
27			
28			
29			
30			
31	MASARI AND		
32			
33			
34			
35			
36			
37			
38			
39			
40			

Penetration (mm):	10	16
	Min	Max
MC (%):		
	Low	High

Print

Sapwood (mm):	10	16
	Min	Max
% Conformance:	100%	

Comments:

JULY/11/2023 DOA: Norm wood/Mark whalley QC:

INSP: **DAN SPIERS** 



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 LOUGHED HWY SUITE 1001

BURNABY BC V5C 0E4 CA

Contact:

Customer's Order #: #1065

SJI Order#:

20066296 **TIMBERS** 

Commodity: Species:

HEM

Quantity	Dimensions	Length (in feet)
96	3X12	20
		N#
	+	
		(4)

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0671

Net Retention:

1.053 PCF

Shipping Plant:

PRINCE GEORGE

Date of Issuance:

JULY/11/2023

Norm Wood/BraydenSmith Quality Control Co-ordinator Mouses

Ryan Booth Plant Manager

### OXFORD LAB-X 2500

#### POLES ANALYSIS

11/7/2023 16:54

Calibration title: CCA Poles-pcf

SAMPLE ID: 230672

\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 25.7 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.44 g

\*\*\*\*\*\*\*\*\*\*\*\*

**%NT OXIDES %BALANCE** 

CR03 = 1.892 % 48.0

CUO = 0.712 % 18.1

AS205 = 1.335 % 33.9

TOTAL = 3.938 %WT 100.0

RETENTION

CR03 = 0.486 pcf

\*\*\*\*\*\*\*\*\*\*\*

CUO = 0.183 pcf

AS205 = 0.343 pcf

TOTAL= 1.011 pcf

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*



Plant : Prince (	Process: FULL CELL	Preserv.Type: CCA	Concentr.	2.52 %
Cylinder: 3	Operator :JEFF	Volume: 1065 C.I	. Moisture :	23.0 %
	Specified Net Retention			7. 7. 1

0.00 pcf 0.00 pcf Gauge:

Date In (d/m/y): Date Out (d/m/y):

07/07/2023 07/07/2023

TIME IN: 15.07 TIME OUT: 21.03

Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH BCH	POLES POLES	WRC	2 3	50 50	1 15	45.0 588.0
	WELCO	TIMBERS	DF	3X12	16	48	192.0
	WELCO	TIMBERS	DF	3X12	20	48	240.0
					1		
						-	b
- 1						1	
				- h			1 7 6 6
			1				
1				73 ==		1	
						1 1	1 1 1 1
	7 10 1		Maria III	5		1 2 2	
						1 :	

Operation	Start	End	Press./V	ac.	Temper	(°F)	Run 7	<b>Fime</b>
Initial Vacuum	15.07	15.57	20.8	"hg	79	•	0.	50
Filling	15.57	15.75	20.5	"hg	79	)	0.	18
Soaking	15.75	15.75	12.5	"hg	74	1	0.	00
Vac Release	15.75	15.77	2	"hg	74		0.	02
Pressure	15.77	19.75	144	PSI	74	1	3.	01
Press. Release	19.75	19.78	130.	PSI	74	1	0.	04
Pump Out	19.78	20.23	0.0	PSI	74		0.	46
Final Vacuum	20.23	20.73	-10.	"hg	76	;	. 0.	50
Vac Release	20.73	20.82	1	"hg	76	;	0.	.08
Final Strip	20.82	21.03	1	"hg	76	;	0.	20
Down Time	0.12	Hrs	Pau	se T	ime		0.98	Hrs
E   E   C	W so Inc	Cyc	le Runn	ing 1	ime		4.98	Hrs
Total Cycle (Cyc	le Runn	ing Tim	e + Pau	se T	ime)		5.96	Hrs

Material

Charging Tank Readi	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	Α	13.38	70	14788
End Fill for Pressure	В	4.91	71	5429
End Pressure Period	С	3.82	73	4218
End Final Drain	D	12.28	73	13567

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1211	327	0.31
Net Retention	(A-D)	1220	330	0.31

perator :	Foreman:	
polatoi i		



RECORD OF PRESSURE TREATMENT Charge No.: 230672 Plant : Prince G Process: FIXATION Preserv. Type: CCA 2.52 % Concentr. Cylinder: 3 Volume: 1065 C.F. Moisture : 23.0 % Specified Net Retention Date In (d/m/y): 07/07/2023 TIME IN : 21.90 0.00 pcf Gauge: 0.00 pcf Assny: 08/07/2023 Date Out (d/m/y): TIME OUT: 3.88

Operation	Start	End	Aya ya ya ya mara	Temp	er.(°F)	Run'	Time
Heating	21.90	22.28		1	50	0	.39
Fixation	22.28	3.88		1	77	5	.59
Down Time	2.26	Hrs	Pause	Time		0.00	Hrs
		Cycl	Running	Time		5.98	Hrs
Total Cycle (C	cle Runni	ng Time	+ Pause	Time)		5.98	Hrs

Time	Temper
(Hrs)	(°F)
23.28	172
0.28	167
1.28	166
2.28	171
3.28	176
	in the second

		17400
24 II 950	A023	Y
Operator :	Foreman :	1



# Penetration Report

Customer/Order#:	WELCO	MOF	
Charge#:	23-0672		_
Product/Commodity:	TIMBERS		_
Standard/Spec:	CUSTOMER	SPEC	

CCA	
HEM	
JULY/07/2023	
	HEM

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3X12	16
48	3X12	20
12.00		DESIGNATION OF
,	· · ·	

QTY	Class (pole) / Dimension (in.)	Length (ft.)	
HEREKETE II	SALUTA DE MERCETA DE LA TITULA DE		
0×051284M4130			

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

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23		10 miles	
24			
25	AND THE RESERVE OF THE PARTY OF		
26			
27			
28	7	= 101	
29	al lease of the 1944)		
30		-1	
31			
32			
33	149 TE 1 TE 1 TE 1 AVEC 1		
34			
35			
36			
37			usumuskie i – i –
38			
39			
40			

Penetration (mm):	10	18	Sapwood (mm):	10	18
	Min	Max		Min	Max
MC (%):			% Conformance:	100%	
	Low	High			7

Comments:

DOA: JULY/11/2023

QC: Norm wood/Mark whalley

INSP: DAN SPIERS

Print

San seen Signature



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 LOUGHED HWY SUITE 1001

BURNABY BC V5C 0E4 CA

Contact:

Customer's Order #: #1065

SJI Order#: Commodity: 20066296 **TIMBERS** 

Species:

HEM

Quantity	Dimensions	Length (in feet)
48	3X12	16
48	3X12	20
		2-10-1

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0672

Net Retention:

1.011 PCF

Shipping Plant:

PRINCE GEORGE

Date of Issuance:

JULY/11/2023

Norm Wood/BraydenSmith Quality Control Co-ordinator

Ryan Booth Plant Manager

#### OXFORD LAB-X 2500

#### POLES ANALYSIS

11/7/2023 15:17

Calibration title: CCA Poles-pcf

SANPLE ID: 230673

\*\*\*\*\*\*\*

DENSITY = 25.6 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.43 g

\*\*\*\*\*\*

**SWT OXIDES** &BALANCE

CR03 = 1.738 % 48.3

CUO = 0.658 % 18.3

AS205 = 1.199 % 33.3

TOTAL = 3.596 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*\*

#### RETENTION

CR03 = 0.444 pcf

CUO = 0.168 pcf

AS205 = 0.307 pcf

TOTAL= 0.919 pcf

\*



2.68 % Preserv.Type: CCA Concentr. Plant : Prince G Process : FULL CELL 23.0 % Volume: 972 C.F. Moisture : Cylinder: 3 Operator :EARL

Specified Net Retention

0.00 pcf Gauge: 0.00 pcf

Date In (d/m/y): Date Out (d/m/y): 07/07/2023 08/07/2023

TIME IN: TIME OUT:

23.58 4.60

Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
*	BCH WELCO	POLES TIMBERS	WRC HEM	3 3X12	50 16	15 96	588.0 384.0
	WELCO	TIMBERS	, inchi	JA12			
						= = ==	
							1
			1 3 - 3			1	

Operation	Start	End	Press./Vac.	Temper.(°F)	Run Time
Initial Vacuum	23.58	0.08	21.3 "hg	76	0.50
Filling	0.08	0.28	21.0 "hg	75	0.19
Soaking	0.28	0.28	13.4 "hg	73	0.00
Vac Release	0.28	0.30	1 "hg	73	0.02
Pressure	0.30	3.30	143 PSI	73	3.01
Press. Release	3.30	03.33	130. PSI	73	0.04
Pump Out	3.33	3.82	0.0 PSI	73	0.47
Final Vacuum	3.82	4.32	-10. "hg	73	0.50
Vac Release	4.32	04.40	0 "hg	72	0.09
Final Strip	4.40	04.60	1 "hg	73	0.19
Down Time	0.40	Hrs	Pause '	Time	0.00 Hrs
		Сус	le Running	Time	5.00 Hrs
Total Cycle (Cyc	le Runr	ing Tin	ne + Pause	Time)	5.00 Hrs

### Material

Charging Tank Readi	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	Α	13.36	71	14763
End Fill for Pressure	В	4.38	72	4839
End Pressure Period	С	3.29	72	3633
End Final Drain	D	12.26	73	13542

Absorption & Retentions		Imp.Gals	Pounds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1206	346	0.36
Net Retention	(A-D)	1220	351	0.36

Foreman: Operator:



	RECORD OF PRE	SSURE TREATMENT	Charge No.:	230673
unt · Prince G	Process : FIXATION	Preserv Type : CCA	Concentr	2 68 9

Plant : Prince G		Proces	s: FIXA	MOIT		Preserv.Type:	CCA		Concentr.	2.68 %
Cylinder: 3	135			e		Volume :	972	C.F.	Moisture :	23.0 %
			Net Retent			Date In (d/m/y):	08/0	7/2023	TIME IN :	6.9
Assny:	0.00	pcf	Gauge:	0.00	pcf	Date Out (d/m/y):	08/0	7/2023	TIME OUT:	13.0

Operation	Start	End		Temp	er.(°F)	Run	Time
Heating	6.97	7.37		1	51	0	.40
Fixation	7.37	13.05		1	79	5	.50
Down Time	0.15	Hrs	Pause '	Time		0.17	Hrs
		Cycle	Running	Time		5.90	Hrs
Total Cycle (Cy	cle Runn	ing Time	+ Pause	Time)		6.07	Hrs

Time	Temper
(Hrs)	(°F)
8.37	177
9.37	167
10.37	172
11.37	176
12.55	178

		A
Carantan & Prince	F	
Operator :	Foreman :	



# Penetration Report

Customer/Order#:	WELCO	
Charge#:	23-0673	
Product/Commodity:	TIMBERS	
Standard/Spec:	CUSTOMER SPEC	

Preservative:	CCA	-
Ref#:		
Species:	HEM	
Production Date:	JULY/07/2023	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
96	3X12	16
r litera de	Particular to the control of the con	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
o di Figi		
	December of the State and the second	

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

Core#	Pénetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27	<b>建产业工作业</b>		
28			
29	die Indiana gewasie au		
30			
31	West of the second state of the second secon		
32			
33			
34			
35			
36			
37			
38			
39			
40			

Penetration (mm):	7	15	Sapwood (mm):	7	15
	Min	Max		Min	Max
MC (%):			% Conformance:	100%	
	Low	High			

Comments:

DOA:

JULY/11/2023

QC: Norm wood/Mark whalley

INSP: DAN SPIERS

Print





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 LOUGHED HWY SUITE 1001

BURNABY BC V5C 0E4 CA

Contact:

Customer's Order #: #1065

SJI Order#:

20066296

Commodity:

**TIMBERS** 

Species:

HEM

Dimensions	Length (in feet)
3X12	16
	, III-
	Bill Strike
	3X12

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0673

Net Retention:

.919 PCF

Shipping Plant:

PRINCE GEORGE

Date of Issuance:

JULY/11/2023

Norm Wood/BraydenSmith Quality Control Co-ordinator Ryan Booth Plant Manager

Unnecessal

#### **GXFORD LAB-X 2500**

#### POLES ANALYSIS

10/7/2023 16:57

Calibration title: CCA Poles-pcf

SAMPLE ID: 230675

\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 23.5 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.23 g

\*\*\*\*\*\*\*\*\*\*\*\*

**%WT OXIDES %BALANCE** 

CR03 = 1.991 % 46.6

CUO = 0.806 % 18.8

AS205 = 1.478 % 34.6

TOTAL = 4.275 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*\*\*

RETENTION

CR03 = 0.467 pcf

CUO = 0.189 pcf

AS205 = 0.347 pcf

TOTAL= 1.003 pcf

\*\*\*\*\*\*\*\*\*\*\*\*\*



2.40 % Preserv.Type: CCA Concentr. Plant : Prince G. Process : FULL CELL 23.0 % 1020 Volume: C.F. Moisture : Cylinder: 3 Operator:JEFF

Specified Net Retention

0.00 pcf Gauge: 0.00 pcf Assay:

08/07/2023 Date In (d/m/y): 08/07/2023 Date Out (d/m/y):

TIME IN :

13.98 TIME OUT:



Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	WELCO	TIMBERS	DF	3X12	20	48	240.0
	WELCO	TIMBERS	FIR	3X12	16	48	192.0
	всн	POLES	WRC	3	50	15	588.0
8							
							1 1 1
5		So a				atress	
		V 1				× 11M %	
				1		1 2	

Operation	Start	End	Press./Va	ıc.	Temper.(°F)	Run Time
Initial Vacuum	8.78	9.28	21.4	"hg	72	0.50
Filling	9.28	9.45	21.1	"hg	72	0.18
Soaking	9.45	9.45	13.1	"hg	72	0.00
Vac Release	9.45	9.48	1	"hg	72	0.02
Pressure	9.48	12.68	145	PSI	74	3.01
Press. Release	12.68	12.73	129.	PSI	74	0.04
Pump Out	12.73	13.20	0.0	PSI	74	0.46
Final Vacuum	13.20	13.70	-10.	"hg	76	0.50
Vac Release	13.70	13.78	1	"hg	77	0.09
Final Strip	13.78	13.98	1	"hg	77	0.21
Down Time	0.40	Hrs	Pau	ise 1	Time	0.21 Hrs
		Сус	le Runn	ing '	Time	5.00 Hrs
Total Cycle (Cyc	cle Runi	ning Tin	ne + Pau	ise 1	Time)	5.21 Hrs

### Material

Charging Tank Readi	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	A	13.36	70	14763
End Fill for Pressure	В	4.74	73	5242
End Pressure Period	С	3.65	73	4031
End Final Drain	D	12.30	73	13592

Absorption & Retentions	Imp.Gals	Pounds	LBS/CU.FT
Gross Retention (B-C	1972-1996	311	0.31
Not Retention (A-D	) 1171	301	0.30

Operator :	Foreman :	



	RECORD OF PRES	SURE TREATMENT C	arge No.: 230675
Plant : Prince G	Process: FIXATION	Preserv.Type: CCA	Concentr. 2.40 %
Cylinder: 3		Volume: 1020 C.F.	Moisture: 23.0 %
Assay:	Specified Net Retention 0.00 pcf Gauge: 0.00 pcf	Date In (d/m/y): 08/07/2023 Date Out (d/m/y): 09/07/2023	TIME IN: 15.78

Operation	Start	End		Temper.	(°F)	Run	lime
Heating	15.78	16.13		15	0	0.	34
Fixation	16.13	0.55		17	6	8	42
Down Time	2.73	Hrs	Pause	Time		0.00	Hrs
	100	Cycl	Running	Time		8.76	Hrs
Total Cycle (C	vele Runn	ina Tim	+ Pause	Time)		8.76	Hrs

Time	Temper
(Hrs)	(°F)
17.13	179
18.13	166
19.13	169
20.13	174
21.13	175
7	

		A.
Operator:	Foreman:	A Section



# **Penetration Report**

Customer/Order#:	WELCO	
Charge#:	23-0675	50
Product/Commodity:	POLES	
Standard/Spec:	CUST SPEC	39

Preservative:	CCA	
Ref#:		
Species:	HEM	9
Production Date:	8/7/2023	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3X12	20
48	3X12	16
	CITE TO A CONTRACT OF THE PROPERTY OF	HETTING TO

QTY	Class (pole) / Dimension (in.)	Length (ft.)		
9-3-13-37-1 				
- avean				

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	23	23	100%
2	37	37	100%
3	24	24	100%
4	25	25	100%
5	22	22	100%
6	15	15	100%
7	24	24	100%
8	19	19	100%
9	13	13	100%
10	21	21	100%
11	26	26	100%
12	33	33	100%
13	30	30	100%
14	48	48	100%
15	32	32	100%
16	16	16	100%
17	18	18	100%
18	16	16	100%
19	14	14	100%
20	14	14	100%
		12	40

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			are Ball to the
22			
23	pro- a alegar Carte		
24		¥	
25			
26			
27			
28			
29			Having III to 20
30			
31			
32			
33		or September 1997	
34			
35			
36			
37			
38			
39			
40			

Penetration (mm):	13	48
	Min	Max
MC (%):		

Low

High

Sapwood (mm).	12	40
	Min	Max
% Conformance:	100%	

Comments:

QC: July/10/2023

QC: Norm Wood/Brayden Smith

INSP: Dan Spiers

Print





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-1065

SJI Order#:

20066296

Commodity:

**TIMBERS** 

Species:

HEMLOCK

Quantity	Dimensions	Length (in feet)
48	3X12	20
48	3X12	16
310		
		38

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0675

Net Retention:

1.001 PCF

Shipping Plant:

SJI Prince George

Date of Issuance:

JULY/10/2023

Norm Wood/Brayden Smith Quality Control Co-ordinator

Ryan Booth Plant Manager

#### OXFORD LAB-X 2500

#### POLES ANALYSIS

10/7/2023 17:08

2 ) ut

Calibration title: CCA Poles-pcf

SAMPLE ID: 230676

\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 22.1 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.10 g

\*\*\*\*\*\*\*\*\*\*\*\*

**%WT OXIDES %BALANCE** 

CR03 = 2.052 % 48.0

CUO = 0.778 % 18.2

AS205 = 1.445 % 33.8

TOTAL = 4.275 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*\*

#### RETENTION

CR03 = 0.453 pcf

CUO = 0.172 pcf

AS205 = 0.319 pcf

TOTAL= 0.945 pcf

\*\*\*\*\*\*\*\*\*\*\*



Plant : Prince G Process : FULL CELL Preserv.Type: CCA 2.76 % Concentr. Operator :JEFF Cylinder: 3 Volume: 1011 C.F. 23.0 % Moisture :

**Specified Net Retention** 

0.00 pcf Gauge: 0.00 pcf Assay:

Date In (d/m/y): Date Out (d/m/y):

08/07/2023 09/07/2023

TIME IN: 17.58 2.58 TIME OUT:

Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH BCH	POLES POLES	WRC	3	50 50	9 5	353.0
	WELCO	TIMBERS	FIR	3X12	16	48	259.0 192.0
	MOF	TIMBERS	FIR	10X10	20	8	111.0
	MOF	TIMBERS	FIR	6X12	24	8	96.0
				- 53			
-							h.
	145-						
						of an III II	
8.	7.00					1 s f f	
	725		1	1 12		1	

Operation	Start	End	Press./Vac.	Temper.(°F	) Run Time
Initial Vacuum	17.58	18.08	20.5 "hg	84	0.50
Filling	18.08	18.27	20.2 "hg	85	0.19
Soaking	18.27	18.27	12.5 "hg	78	0.00
Vac Release	18.27	18.28	2 "hg	78	0.02
Pressure	18.28	0.28	144 PSI	77	6.01
Press. Release	0.28	00.33	130. PSI	76	0.04
Pump Out	0.33	0.80	0.0 PSI	76	0.47
Final Vacuum	0.80	2.30	-10. "hg	76	1.50
Vac Release	2.30	02.38	0 "hg	76	0.09
Final Strip	2.38	02.58	1 "hg	76	0.20
Down Time	0.84	Hrs	Pause 1	Time .	0.00 Hrs
		Cycl	e Running	Time	9.00 Hrs
Total Cycle (Cyc	le Runn	ing Tim	e + Pause 1	Time)	9.00 Hrs

### Material

Preservativ	SET	etention	Summa	lry .
Charging Tank Readi	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	Α	13.36	70	14758
<b>End Fill for Pressure</b>	В	4.57	74	5045
End Pressure Period	С	3.65	75	4031
End Final Drain	D	12.48	75	13789

Absorption & Rete	Imp.Gals	Pounds	LBS/CU.FT	
<b>Gross Retention</b>	(B-C)	1014	300	0.30
<b>Net Retention</b>	(A-D)	969	287	0.28

Operator: Foreman:



lant : Prince G	Proces	s: FIXA	TION		Preserv.Type:	ĊCA	Della	Cencentr.	2.76 %
Cylinder: 3			PC-SAII		Volume :	1011	C.F.	Meisture :	23.0 %
	Specified	Net Retent	lon		Date In (d/m/y):	09/0	7/ 2023	TIME IN	: 6.78
Assay:	0.00 pcf	Gauge:	0.00	pcf	Date Out (d/m/y):	09/0	7/2023	TIME OUT	: 12.63

Operation	Start	End		Temper	(°F)	Run	Time
Heating	6.78	7.13		15	1	0.	36
Fixation	7.13	12.63		17	8	5.	.50
Down Time	0.96	Hrs	Pause	Time		0.00	Hrs
	Allian — e e e e e e e e e e e	Cycl	Running	Time		5.86	Hrs
Total Cycle (C	vele Runn	ing Time	+ Pause	Time)	11-57-14	5.86	Hrs

Temper
(°F)
176
170
172
175
177

Operator :	Foreman :	
Operator		 V



# **Penetration Report**

Customer/Order#:	WELCO	
Charge#:	23-0676	
Product/Commodity:	POLES	
Standard/Spec:	423-2000	

CCA	
D FIR	
9/7/2023	
	D FIR

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3X12	16
8	10X10	20
8	6X12	24

QTY	Class (pole) / Dimension (in.)	Length (ft.)
a pravincia	55	Santae Francis

1.500			
Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	13	13	100%
2	35	35	100%
3	16	16	100%
4	42	42	100%
5	34	34	100%
6	32	32	100%
7	33	33	100%
8	28	28	100%
9	37	37	100%
10	32	32	100%
11	21	21	100%
12	26	26	100%
13	15	15	100%
14	25	25	100%
15	15	15	100%
16	16	16	100%
17	13	13	100%
18	13	13	100%
19	15	15	100%
20	18	18	100%
enetra	tion (mm):	13	42

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21	Mentagraphic and Select		
22			
23	STATE OF THE PARTY OF		
24			
25			
26			
27			
28			
29			
30			
31		Solatiera Palace	Baran was as
32			
33			ne des
34			
35	dide a libraria		
36			
37	and the second second		7000
38	11		
39			
40	x ,		

Penetration (mm):	13	42
	Min	Max
MC (%):		
	Low	High

Sapwood (mm):	13	42
	Min	Max
% Conformance:	100%	

Comments:

DOA: July/10/2023

QC: Norm Wood/Brayden Smith

Print

INSP: Dan Spiers

. .





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-1065/LAC-1068

SJI Order#:

20066296

Commodity:

**TIMBERS** 

Species:

HEMLOCK

Quantity	Dimensions	Length (in feet)
48	3X12	16
8	10X10	20
8	6X12	24

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0676

Net Retention:

0.945 PCF

Shipping Plant:

SJI Prince George

Date of Issuance:

JULY/10/2023

Norm Wood/Brayden Smith Quality Control Co-ordinator Ryan Booth Plant Manager

#### OXFORD LAB-X 2500

#### POLES ANALYSIS

10/7/2023 17:24

Calibration title: CCA Poles-pcf

SAMPLE ID: 230677

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 23.3 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.21 g

\*\*\*\*\*\*\*\*\*\*\*

%NT OXIDES %BALANCE

CR03 = 1.484 % 48.3

CUO = 0.548 % 17.8

AS205 = 1.040 % 33.8

TOTAL = 3.071 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*\*\*

#### RETENTION

CR03 = 0.345 pcf

CUO = 0.127 pcf

AS205 = 0.242 pcf

TOTAL= 0.714 pcf

\*\*\*\*\*\*\*\*\*\*\*\*\*



### RECORD OF PRESSURE TREATMENT Charge No.: 230677

Plant : Prince G Process : FULL CELL	Preserv.Type: CCA	Concentr.	2.49 %
Cylinder: 3 Operator:JEFF	Volume: 1104 C.F.	Moisture :	23.0 %

Specified Net Retention

Assay: 0.00 pcf Gauge: 0.00 pcf

Date In (d/m/y): Date Out (d/m/y):

09/ 07/ 2023 09/ 07/ 2023

TIME OUT:

IN: 9.58



Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	всн	POLES	WRC	1	50	13	672.0
	WELCO	TIMBERS	FIR	3X12	20	48	240.0
	WELCO	TIMBERS	FIR	3X12	16	48	192.0
						1.54	
	, c						
		r l'eus	1 3				

Operation	Start	End	Press./\	ac.	Temper.(°F)	Run Time
Initial Vacuum	9.58	10.08	20.6	"hg	73	0.50
Filling	10.08	10.27	20.4	"hg	73	0.18
Soaking	10.27	10.27	12.5	"hg	73	0.00
Vac Release	10.27	10.28	1	"hg	74	0.02
Pressure	10.28	13.28	143	PSI	76	3.01
Press. Release	13.28	13.32	129.	PSI	76	0.04
Pump Out	13.32	13.75	0.0	PSI	76	0.44
Final Vacuum	13.75	14.25	-9.7	"hg	77	. 0.50
Vac Release	14.25	14.33	1	"hg	78	0.08
Final Strip	14.33	14.50	1	"hg	78	0.16
Down Time	0.24	Hrs	Pai	use 1	ime	0.00 Hrs
		Сус	le Runn	ing 1	Time	4.92 Hrs
Total Cycle (Cyc	le Runn	ina Tim	e + Pai	use T	ime)	4.92 Hrs

### Material

<b>Charging Tank Readi</b>	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	Α	13.37	72	14773
End Fill for Pressure	В	4.92	75	5434
End Pressure Period	С	3.74	75	4130
End Final Drain	D	12.17	75	13444

Absorption & Rete	ntions	Imp.Gals	Pounds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1304	348	0.32
Net Retention	(A-D)	1329	355	0.32

	Parameter	
Operator :	Foreman:	



RECORD OF PRESSURE TREATMENT Charge No.: 230677 Plant : Prince G Process: FIXATION Preserv.Type: CCA Concentr. 2.49 % Cylinder: 3 1104 C.F. Volume: 23.0 % Moisture : Specified Net Retention Date In (d/m/y): 09/07/2023 TIME IN : 15.27 Assny: 0.00 pcf Gauge: 0.00 pcf Date Out (d/m/y): 09/07/2023 TIME OUT:

Operation	Start	End	e Sum	A STATE OF THE PARTY OF	er.(°F)	Run	Time
Heating	15.27	15.58		1	51	0.	32
Fixation	15.58	21.33		1	74	5.	76
Down Time	0.00	Hrs	Pause	Time		0.00	Hrs
	la Garage Carage (1915)	Cycle	Running	Time	NE S	6.07	Hrs
Total Cycle (Cy	cle Runni	ng Time	+ Pause	Time)		6.07	Hrs

Time	Temper.
(Hrs)	(°F)
16.58	178
17.58	168
18.58	168
19.58	171
20.58	173

Operator:	Foreman:
	roidifan :



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

# **Penetration Report**

Customer/Order#:	Welco	
Charge#:	23-0677	
Product/Commodity:	POLES	
Standard/Spec:	423-2000	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3x12	20
48	3x12	16
		and the same

Core#	Penetration (mm)	Sapwood (mm)	Conformance
1	34	34	100%
2	26	26	100%
3	20	20	100%
4	25	25	100%
5	20	20	100%
6	35	35	100%
7	13	13	100%
8	14	14	100%
9	15	15	100%
10	13	13	100%
11	13	13	100%
12	13	13	100%
13	14	14	100%
14	13	13	100%
15	13	13	100%
16	14	14	100%
17	15	15	100%
18	16	16	100%
19	15	15	100%
20	14	14	100%

	Min	Max	
MC (%):			
	Low	High	

13

35

Preservative:	CCA	
Ref#:		
Species:	CEDAR	
Production Date:	9/7/2023	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
		THE STATE OF
(1.00 PM)	a thulps	

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24			
25			
26			
27	TOWN THE PERSON NAMED IN	THE STREET	
28			
29		THE STATE OF	
30			
31			
32			
33			HANNE THE RESERVE
34			
35			
36		11	
37			
38			
39			
40			

Sapwood (mm):	13	35	
5	Min	Max	•
% Conformance:	100%		
			۰

Comments:

INSP:

Penetration (mm):

DOA: July/10/2023

QC: Norm Wood/Brayden Smith

Dan Spiers

Dan Spiers

Touth Spiers



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-1065

SJI Order#:

20066296

Commodity:

**TIMBERS** 

Species:

HEMLOCK

Quantity	Dimensions	Length (in feet)
48	3X12	16
48	3X12	20
7		
THE STATE		

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0677

Net Retention:

0.715 PCF

Shipping Plant:

SJI Prince George

Date of Issuance:

JULY/10/2023

Norm Wood/Brayden Smith Quality Control Co-ordinator

Ryan Booth Plant Manager

#### OXFORD LAB-X 2500

#### POLES ANALYSIS

11/7/2023 15:26

Calibration title: CCA Poles-pcf

SAMPLE ID: 230679

\*\*\*\*\*\*\*\*\*\*\*\*

DENSITY = 24.9 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 2.37 g

\*\*\*\*\*\*\*\*\*\*\*\*

**%WT OXIDES %BALANCE** 

CR03 = 1.778 % 48.9

CUO = 0.636 % 17.5

AS205 = 1.224 % 33.7

TOTAL = 3.638 %WT 100.0

#### RETENTION

CR03 = 0.443 pcf

\*\*\*\*\*\*\*\*\*\*

CUO = 0.159 pcf

AS205 = 0.305 pcf

TOTAL= 0.907 pcf

\*\*\*\*\*\*\*\*\*\*



## RECORD OF PRESSURE TREATMENT Charge No.: 230679

Plant: Prince G Process: FULL CELL Preserv.Type: CCA Concentr. 2.55 %

Cylinder: 3 Operator: JEFF Volume: 1032 C.F. Moisture: 23.0 %

Specified Net Retention

ssay: 0.00 pcf Gauge: 0.00 pcf

Date In (d/m/y):
Date Out (d/m/y):

09/07/2023 09/07/2023 TIME IN :

: 16.10 r: 21.25

Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH WELCO WELCO	POLES TIMBERS TIMBERS	WRC FIR FIR	1 3X12 3X12	50 20 16	13 48 24	672.0 240.0 120.0

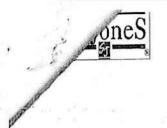
Operation	Start	End	Press./V	ac.	Tempe	r.(°F)	Run T	îme.
Initial Vacuum	16.10	16.60	20.5	"hg	8	3	0.	50
Filling	16.60	16.78	20.2	"hg	8	3	0.	19
Soaking	16.78	16.78	12.5	"hg	7	8	0.	00
Vac Release	16.78	16.80	2	"hg	7	8	0.	.02
Pressure	16.80	19.82	144	PSI	7	7	3.	.01
Press. Release	19.82	19.85	129.	PSI	7	7	d.	.04
Pump Out	19.85	20.32	0.0	PSI	7	77	0.	.47
Final Vacuum	20.32	20.82	-10.	"hg	7	78	0	.50
Vac Release	20.82	20.92	0	"hg	7	78	0	.09
Final Strip	20.92	21.25	1	"hg	7	78	0	.34
Down Time	0.08	Hrs	Pa	use '	Time		0.00	Hrs
		Cyc	le Run	ing	Time		5.16	Hrs
Total Cycle (Cyc	cle Runr	ing Tin	ne + Pa	use .	Time)		5.16	Hrs

### Material

Charging Tank Reading	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °F
Start	A	13.37	74	14773
End Fill for Pressure	В	4.33	74	4785
End Pressure Period	С	3.34	76	3687
End Final Drain	D	12.39	76	13690

Absorption & Rete	entions	Imp.Gals	Pounds	LBS/CU.FT
<b>Gross Retention</b>	(B-C)	1097	300	0.29
Net Retention	(A-D)	1083	296	0.29

Operator :	Foreman :	



	RECORD OF PRES	SURE TREATMENT CI	iarge No.: 230679
Plant : Prince G	Process: FIXATION	Preserv.Type : CCA	Concentr. 2,55 %
Cylinder: 3		Volume: 1032 C.F.	Moisture: 23.0 %
Assay:	Specified Net Retention 0.00 pcf Gauge: 0.00 pcf	Date In (d/m/y): 10 / 07 / 2023 Date Out (d/m/y): 10 / 07 / 2023	TIME IN: 8.07

Operation	Start	End		Temper.(°F	Run Time
Heating	8.07	8.42	- Winter	150	0.35
Fixation	8.42	13.92		177	5.50
Down Time	10.72	Hrs	Pause	Time	0.00 Hrs
7		Cycle	Running	Time	5.85 Hrs
Total Cycle (C	vcle Runn	ing Time	+ Pause	Time)	5.85 Hrs

Time	Temper.
(Hrs)	(°F)
9.42	174
10.42	168
11.42	170
12.42	174
13.42	177

Operator :	Foreman :	
Operator .	Total Control of Contr	



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

## **Penetration Report**

Customer/Order#:	WELCO	
Charge#:	23-0679	
Product/Commodity:	TIMBERS	of the
Standard/Spec:	CUSTOMER SPEC	

QTY	Class (pole) / Dimension (in.)	Length (ft.)
48	3X12	20
24	3X12	16

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

reneuation (min).	10	10
	Min	Max
MC (%):		
	Low	High

Preservative:	CCA	
Ref#:		
Species:	HEM	
Production Date:	JULY/09/2023	

QTY	- Class (pole) / Dimension (in.)	Length (ft.)
	TE THE TANK OF THE PERSON OF T	
		i sa e foud

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23	100		
24			
25			
26			
27	15-21-		
28			
29	A		
30			
31			
32			
33			
34			
35			
36		- p -	
37		eran salventen s	orang tips
38			
39			
40			

	Low	High			(1.2)	
MC (%):			% Conformance:	100%		
	Min	Max	2	Min	Max	
Penetration (mm):	10	18	Sapwood (mm):	10	18	

Comments:

JULY/11/2023 DOA:

Norm wood/Mark whalley QC:

**DAN SPIERS** INSP: Print



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 LOUGHED HWY SUITE 1001

BURNABY BC V5C 0E4 CA

Contact:

Customer's Order #: #1065

SJI Order#:

20066296

Commodity:

**TIMBERS** 

Species:

HEM

Quantity	Dimensions	Length (in feet)
48	3X12	20
24	3X12	16
		61
	¥ =	- W

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0679

Net Retention:

.907 PCF

Shipping Plant:

PRINCE GEORGE

Date of Issuance:

JULY/11/2023

Norm Wood/BraydenSmith Quality Control Co-ordinator Ryan Booth Plant Manager

### 6 FORD LAB-X 2500

#### POLES ANALYSIS

11/7/2023 15:35

Calibration title: CCA Poles-pcf

SAMPLE ID: 230680

\***\*** 

DENSITY = 20.5 pcf

Bit diameter = 0.196 in

Boring length = 12.00 in

Mass = 1.95 g

\*\*\*\*\*\*\*\*\*\*\*

SNT OXIDES SBALANCE

CR03 = 2.311 % 47.4

CUO = 0.893 % 18.3

AS205 = 1.669 % 34.3

TOTAL = 4.873 %WT 100.0

\*\*\*\*\*\*\*\*\*\*\*

#### RETENTION

CR03 = 0.474 pcf

CUO = 0.183 pcf

AS205 = 0.343 pcf

TOTAL= 1.000 pcf

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*



## RECORD OF PRESSURE TREATMENT Charge No.: 230680

2.56 % Preserv.Type: CCA Concentr. Plant : Prince G. Process : FULL CELL 22.0 % C.F. 937 Moisture : Cylinder: 3 Operator:MILO Volume:

Specified Net Retention

0.00 pcf Gauge: 0.00 pcf Assay:

10/07/2023 Date In (d/m/y): 10/07/2023 Date Out (d/m/y):

TIME IN : TIME OUT:

8.32

Order#	Customer	Product	Species	Size/Class	Length	Pieces/FBM	Cubic Feet
	BCH BCH WELCO SJ	POLE POLES TIMBER POST	WRC WRC FIR WRC	1 3 3X12 6	50 45 20 10	8 6 48 36	414.0 200.0 240.0 83.2
						C.	275

Operation	Start	End	Press./Vac.	Temper.(°I	Run Time
Initial Vacuum	8.32	8.82	21.6 "hg	71	0.50
Filling	8.82	9.02	21.4 "hg	73	0.19
Soaking	9.02	9.02	13.3 "hg	73	0.00
Vac Release	9.02	9.03	1 "hg	73	0.02
Pressure	9.03	12.03	144 PS	75	3.01
Press, Release	12.03	12.08	130. PS	75	0.05
Pump Out	12.08	12.57	0.0 PS	75	0.48
Final Vacuum	12.57	13.07	-10. "hg	76	0.50
Vac Release	13.07	13.15	0 "h	76	0.09
Final Strip	13.15	13.38	1 "h	76	0.23
Down Time	0.44	Hrs	Pause	Time	0.00 Hrs
		Cyc	le Running	Time	5.07 Hrs
Total Cycle (Cy	olo Puni	ing Tir	ne + Pause	Time)	5.07 Hrs

# 1065

### Material

Charging Tank Readi	ng	Gauge (FT)	Temper.(°F)	I.Gal.@ °I
Start	A	13.37	73	14778
End Fill for Pressure	В	4.33	75	4785
End Pressure Period	C	3.22	74	3554
End Final Drain	D	12.38	74	13680

Absorption & Rete	ntions	Imp.Gals	Pounds	LBS/CU.FT
Gross Retention	(B-C)	1230	338	0.36
Net Retention	(A-D)	1097	301	0.32

Operator :	Foreman :	THE RESERVE OF THE PARTY OF THE
inerator.		



9 100	RECORD OF PRES	SURE TREATMENT	harge No.: 230680
Plant : Prince G	Process: FIXATION	Preserv.Type : CCA	Concentr. 2.56 %
Cylinder: 3		Volume: 937 C.F.	Moisture: 22.0 %
Assny:	Specified Net Retention 0.00 pcf Gauge: 0.00 pcf	Date In (d/m/y): 10/07/2023 Date Out (d/m/y): 10/07/2023	TIME IN: 14.50 TIME OUT: 20.25

Operation	Start	. End		Temper	(°F)	Run Tir	ne
Heating	14.50	14.75		15	1	0.2	5
Fixation	14.75	20.25		17	2	5.5	0
Down Time	1.39	Hrs	Pause	Time		0.00 F	ire
		Cycle	Running	Time		5.75 H	irs
Total Cycle (C	vcle Runn	ing Time	+ Pause	Time)		5.75 H	irs

Time	Temper
(Hrs)	(°F)
15.75	178
16.75	167
17.75	169
18.75	170
19.75	171

		1
Operator :	Foreman :	



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

## **Penetration Report**

Customer/Order#:	WELCO	
Charge#:	23-0680	_
Product/Commodity:	TIMBERS	
Standard/Spec:	CUSTOMER SPEC	

Preservative:	CCA
Ref#:	
Species:	HEM
Production Date:	JULY/10/2023

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

QTY	Class (pole) / Dimension (in.)	Length (ft.)
	A LINE OF THE PERSON OF THE PE	HERE WATER AND AND ADDRESS OF THE PARTY OF T
	and the same of th	
Cast de		

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

Core#	Penetration (mm)	Sapwood (mm)	Conformance
21			
22			
23			
24	2110000		
25			
26			
27			
28			
29			
30			
31			
32			
33			
34		×	
35	<b>""在"一个一个</b> "		
36			
37			
38			=
39	jeus sa		
40			

Penetration (mm):	8	16	Sapwood (mm):	8
	Min	Max		Min
MC (%):			% Conformance:	100%
	Law	High		

Comments:

 DOA:
 JULY/11/2023

 QC:
 Norm wood/Mark whalley

 INSP:
 DAN SPIERS

Homes Signature

16 Max

Print



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 LOUGHED HWY SUITE 1001

BURNABY BC V5C 0E4 CA

Contact:

Customer's Order #: #1065

SJI Order#:

20066296

Commodity:

Species:

**TIMBERS HEM** 

Quantity	Dimensions	Length (in feet)
48	3X12	20
-		
		1:

Treating Plant:

SJI Prince George

Preservative:

CCA

Charge #

23-0680

Net Retention:

1.00 PCF

Shipping Plant:

PRINCE GEORGE

Date of Issuance:

JULY/11/2023

Norm Wood/BraydenSmith Quality Control Co-ordinator

willess

Ryan Booth Plant Manager