Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions
5671 - 70 Street
Edmonton, AB
Canada T6B 3P6
Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	rmulation:	Supplier:			<b>ENNIS</b>				
Yellow	WB EF-62-0035	Tests Required							
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B4	CPP2004Y0378	1.623	76.2	78.5	59.5	May-25	May-25	Jun-1	Emcon Hwy 770:02 CMA11 Jennifer Mazurak 780-293-0087
		Tolerance Limits							
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

\* Indicates result outside tolerance limits.

Test not Required by AT

PER:

1-Jun-20

DATE

Reviewed By:

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
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Fo	rmulation:	Su	applier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B6	CPP2003Y0283	1.613	76.2	79.4	59.1	May-25	May-28	Jun-8	Emcon Hwy CMA 20 Darcy Newton 403-334-2094
B8	CPP2003Y0252	1.599	77.4	78.4	59.7	May-27	May-28	Jun-8	Consort ROBERT Kropinske 403-577-2701
B11	CPP2004Y0316	1.578	77.0	78.5	59.8	May-21	Jun-3	Jun-8	Taber Volker Stevin
B12	CPP2004Y0350	1.589	76.5	78.4	59.4	Jun-1	Jun-3	Jun-8	Taber Volker Stevin
B14	CPP2003Y0236	1.605	78.6	78.5	59.2	May-12	Jun-3	Jun-8	Fort Macleod Volker Stevin
			Tolerano	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.677	83.2	80.5	61.3				
L.	ower Limit	1.577	73.2	76.5	57.3				

\* Indicates result outside tolerance limits,

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Fo	rmulation:	Su	ıpplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B16	CPP2004Y0283	1.588	76.0	78.1	59.2	May-28	Jun-4	Jun-15	Ledcor Hwy 508E 16:10 km 0
B19	CPP2004Y0253	1.583	76.8	78.4	59.2	Jun-3	Jun-9	Jun-15	Ledcor Hwy 508 :16:06
B21	CPP2004Y0282	1.599	78.4	78.9	60.1	Jun-4	Jun-9	Jun-15	West-Can/AAA stripping Hwy36:12
B23	CPP2004Y0282	1.609	79.0	78.9	60.0	Jun-4	Jun-9	Jun-15	West-Can/AAA stripping Hwy 9:02 & 2:18
			Tolerance	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	pper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

* Indicates result outside tolerance limits.  Test not Required by AT  PER:		1//	1 A.	15-Jun-20
FLIX.		1	w	15-3411-20
Rev	viewed By:	VY	8.	DATE
			10 to	

Project No.: EA16335

wood.

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation Technical Standards Branch 2nd Floor, Twin Atria Building 4999 - 98 Ave

Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street Edmonton, AB Canada T6B 3P6 Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	ormulation:	Sı	applier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B27	CPP2005Y0403	1.595	76.2	78.9	61.3	Jun-11	Jun-16	Jun-22	Emcon Hwy 813:06 Km 0 -Km 26:06 CM24 Arthur Kavulok 780-675-2780
B29	CPP1904Y0239	1.605	78.6	78.3	59.5	Jun-14	Jun-17		Volker Stevin Foremust
B31	CPP1908Y1267	1.399*	74.6	76.9	58.5	Jun-3	Jun-17		Aecon Transportation West Hwy 22:08 Pm Larry Thomson 403-404-5777
<b>B33</b>	CPP2004Y0351	1.576	77.6	78.5	59.6	Jun-17	Jun-19		Volker Stevin Medicine Hat
B35	CPP2004Y0296	1.591	77.2	78.4	59.6	Jun-14	Jun-19	Jun-22	Volker Stevin Foremust
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
υ	Jpper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

* Indicates result outside tolerance	limits.	V.	
Test not Required by AT		11/	
	PER:	fant	22-Jun-20
		000	DATE
	Reviewed By:		

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions
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Edmonton, AB
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Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	rmulation:	Su	ipplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035	Tests Required							
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B37	CPP1906Y0824	1.606	75.6	78.2	59.2	Jun-19	Jun-22	Jun-29	Lafrentz Hwy 685:04
B39	CPP2005Y0476	1.626	76.8	78.4	59.5	Jun-24	Jun-25	Jun-29	Emcon Hwy 881:20 CMA 8 Sampler: Calvin Kissel 780-623-5228
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

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PER:	29-Jun-20
Reviewed By:	DATE

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions
5671 - 70 Street
Edmonton, AB
Canada T6B 3P6
Tel +1 (780) 436-2152
Fax +1 (780) 377-3599

Fo	rmulation:	Su	ıpplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B43	CPP1907Y0971	1.566*	75.6	78.4	59.3	Jun-12	Jun-29	Jul-13	Lafrentz Hwy 2:64 CMA 4 East Jesse Kasouf 780-618-1685
B47	CPP2004Y0282	1.659	78.4	78.9	59.9	Jun-20	Jun-29	Jul-13	AAA Striping Hwy 641:02
B49	CPP2004Y0282	1.631	77.0	79.4	60.1	Jun-25	Jun-29	Jul-13	AAA Striping Hwy 36: 12
B51	CPP2004Y0378	1.578	79.9	79.3	60.0	Jun-25	Jun-30	Jul-13	Aecon Transportation West Hwy 22: 08 Pm Larry Thomson
B53	CPP1906Y0824	1.608	74.2	78.4	59.4	Jun-26	Jul-6	Jul-13	Lafrentz Hwy 35: 10& 08 CMA 4 East Jesse Kasouf 780-618-1685
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3	V 4141 11 11 11 11 11 11 11 11 11 11 11 1			
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

* Indicates result outside tolerance limits.  Test not Required by AT  PER:	13-Jun-20
Reviewed By:	DATE

Project No.: EA16335

wood.

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation Technical Standards Branch 2nd Floor, Twin Atria Building 4999 - 98 Ave

Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street Edmonton, AB Canada T6B 3P6 Tel +1 (780) 436-2152 Fax +1 (780) 377-3599

Fo	rmulation:	Su	Supplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035	Tests Required							
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B57	CPP2004Y0378	1.419*	70.7*	77.3	58.4	Jun-25	Jul-8	Jul-21	Line King Hwy 599: 04 & Hwy 36: 12
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
l	pper Limit	1.677	83.2	80.5	61.3				
	ower Limit	1.577	73.2	76.5	57.3				

\* Indicates result outside tolerance limits.

Test not Required by AT

PER:

21-Jul-20

DATE

Project No.: CT190308

Attn: Alden Stoochnoff

To: Wood Environment & Infrastructure Solutions 401-1925 18th Avenue Calgary AB T2E 7T9 Alden.Stoochnoff@woodplc.com Distribution Addressee: Wood Environment & Infrastructure Solutions
5671 - 70 Street
Edmonton, AB
Canada T6B 3P6
Tel +1 (780) 436-2152
Fax +1 (780) 377-3599

Fo	rmulation:	Su	ıpplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B59	CPP2005Y0475	1.586	77.6	78.7	59.4	Jul-5	Jul-14	Jul-21	Aecon Transportation West Hwy 27:06/08 ,Hwy 590 & Hwy 2:22
B61	CPP2005Y0551	1.592	76.0	78.5	59.2	Jul-16	Jul-16	Jul-21	Emcon Hwy28 :06
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

\* Indicates result outside tolerance limits.

Test not Required by AT

PER:

21-Jul-20

DATE

Reviewed By:

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions
5671 - 70 Street
Edmonton, AB
Canada T6B 3P6
Tel +1 (780) 436-2152
Fax +1 (780) 377-3599

Supplier: **ENNIS** Formulation: Yellow WB EF-62-0035 Tests Required Date Date Date Applicator and Location Lab Batch Relative Viscosity Non-**Pigment** Sampled Received Reported Sample Number Density Volatile Content Number Content 2020 (25/25°C) (Krebs) (%)2020 (%) 2020 2020 **B63** CPP2004Y0378 1.572 81.1 79.5 60.4 Aecon Transportation West Hwy 22:08 Jul-16 Jul-21 Jul-28 **B73** 1.550\* 77.2 CPP20045Y0282 75.4 59.4 AAA Striping Hwy21:28 & 21: 29 Jul-20 Jul-22 Jul-28 **Tolerance Limits** EF-62-0035 1.627 78.2 2018 59.3 78.5 **Tolerance Limits** ± 2% ± 2% ± 0.05 absolute ± 5 absolute Upper Limit 1.677 83.2 80.5 61.3 Lower Limit 1.577 73.2 76.5 57.3

* Indicates result outside tolerance limits.	. 1
Test not Required by AT	
PER:	28-Jul-20
	DATE
Reviewed By:	X-
	0

Project No.: CT190308



Attn: Alden Stoochnoff

To: Wood Environment & Infrastructure Solutions 401-1925 18th Avenue Calgary AB T2E 7T9 Alden.Stoochnoff@woodplc.com Distribution Addressee: Wood Environment & Infrastructure Solutions
5671 - 70 Street
Edmonton, AB
Canada T6B 3P6
Tel +1 (780) 436-2152
Fax +1 (780) 377-3599

Fo	rmulation:	Su	ıpplier:		ENNIS				
Yellow '	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B65	CPP2005Y0475	1.558*	75.8	78.6	59.1	Jul-17	Jul-21	Jul-28	Line West Hwy 1/22 Contract No: 18822
B67	CPP2006Y0789	1.571*	75.6	78.5	59.2	Jul-21	Jul-21	Jul-28	Emcon Hwy 630:02 East of Hwy 824 CMA9
B69	CPP2006Y0789	1.587	77.0	78.8	59.3	Jul-21	Jul-21	Jul-28	Emcon Comrose
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2		Selection in a provide party.		
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

\* Indicates result outside tolerance limits.

Test not Required by AT

PER:

Reviewed By:

Project No.: CT190308



Attn: Alden Stoochnoff

To: Wood Environment & Infrastructure Solutions 401-1925 18th Avenue Calgary AB T2E 7T9 Alden.Stoochnoff@woodplc.com

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Fo	rmulation:	Su	ipplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B77	CPP2005Y0475	1.562*	76.2	78.2	59.0	Jul-17	Jul-23	Aug-10	SWRR-KGL/LineWest
B81	CPP2005Y0475	1.579*	78.4	78.7	59.3	Jul-22	Jul-24	Aug-10	Aecon Transportation/ West Line. Hwy 54
B83	CPP2005Y0518	1.586	77.0	78.9	59.6	Jul-29	Jul-30	Aug-10	Volker Stevin Medicine Hat
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

* Indicates result outside tolerance limits.  Test not Required by AT		11 N	
PER:_		1 har	10-Aug-20
		W /	DATE
Revi	iewed By:	0	

Project No.: EA16335

wood.

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation Technical Standards Branch 2nd Floor, Twin Atria Building 4999 - 98 Ave

Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street

Edmonton, AB

Canada T6B 3P6

Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	rmulation:	Su	ıpplier:		<b>ENNIS</b>				
Yellow V	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number				Content					
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B79	CPP2003Y0252	1.631	80.6	79.0	60.0	Jul-10	Jul-23	Aug-10	Ledcor Hwy32:10
B85	CPP1906Y0700	1.597	77.0	78.8	59.6	Jun-30	Jul-29	Aug-10	Lafrentz Hwy 750:04 CMA 2 Jesse Kasouf 780-618-1685
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	rance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

\* Indicates result outside tolerance limits.

Test not Required by AT

PER:

10-Aug-20 DATE

Reviewed By:

Reporting of these results constitutes a testing service only.

Engineering Interpretation or evaluation of the test results is provided only on written request.

Project No.: EA16335

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
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Edmonton, AB T6B 2X3

Distribution Addressee: Wood Environment & Infrastructure Solutions
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Canada T6B 3P6
Tel +1 (780) 436-2152

Fo	rmulation:	Sı	upplier:		<b>ENNIS</b>				
Yellow	Yellow WB EF-62-0035		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B90	CPP2007Y0865	1.570*	71.6*	70.4*	53.3*	Aug-12	Aug-12	Aug-17	Emcon Hwy 45:08 Sampler Tom Somerville
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3		***************************************	-1	
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	lpper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

Fax +1 (780) 377-3599

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Test not Required by AT

PER:

10-Aug-20

DATE

Reviewed By:

Project No.: CT190308

wood.

Attn: Alden Stoochnoff

To: Wood Environment & Infrastructure Solutions
401-1925 18th Avenue
Calgary AB T2E 7T9
Alden.Stoochnoff@woodplc.com

Distribution Addressee: Wood Environment & Infrastructure Solutions
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Fo	rmulation:	Su	ıpplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B94	CPP2007W0970	1.564*	72.2*	77.9	59.2	Aug-17	Aug-17	Aug-24	Emcon Hwy 628: 02 CMA11 Sampled By Jen Mazurek 780-293-0097
B96	CPP2007Y0954	1.556*	73*	78.0	59.2	Aug-8	Aug-17	Aug-24	Lafrentz Hwy 16: 08 Sampler Jason Choi 403-890-8426
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Ipper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

\* Indicates result outside tolerance limits.

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PER:

Aug-20

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Reviewed By:

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Calgary AB T2E 7T9
Alden.Stoochnoff@woodplc.com

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Fax +1 (780) 377-3599

Fo	rmulation:	Su	ıpplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number				Content			2020	2020	
B104	CPP2005Y0476	1.594	77.8	78.7	59.7	Aug-14	Aug-27	Sep-8	West -Can Seal Coating' LTD Hwy 774:02
B106	CPP2005Y0517	1.557*	73.2	78.2	59.1	Aug-21	Aug-28	Sep-8	Lafrentz Hwy 64: 02 CMA 4 West Jesse Kasouf 708-618-1685
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
	Jpper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

* Indicates result outside tolerance limits.  Test not Required by AT	111	
PER:	1 thus	9-Sep-20
\ <del></del>	W	DATE
Reviewed By:		

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building

4999 - 98 Ave Edmonton, AB T6B 2X3 Distribution Addressee: Wood Environment & Infrastructure Solutions

5671 - 70 Street

Edmonton, AB

Canada T6B 3P6

Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Fo	rmulation:	Su	ipplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B108	CPP2004Y0259	1.628	76.0	78.8	59.6	Aug-21	Sep-1	Sep-8	Volker Stevin, Hwy 766 :02 Km 0.0- 27.3 CMA520 Paul Prout 403-803-4034
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Jpper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

\* Indicates result outside tolerance limits.

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Yellow '	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number				Content					
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B110	CPP2004Y0282	1.578	75.8	78.1	59.3	Sep-1	Sep-4	Sep-15	Volker Stevin Vulcan
B111	CPP2003Y0180	1.620	75.6	78.8	59.3	Aug-10	Sep-4	Sep-15	Ledcor Hwy 29: 72
			Toleranc	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

\* Indicates result outside tolerance limits.

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PER:

15-Sep-20 DATE

Reviewed By:

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Project No.: CT190308

wood.

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
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Fo	rmulation:	Su	ipplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number				Content			2020	2020	
B115	CPP2005Y0475	1.577*	76.8	78.6	59.1	N/A	Sep-9	Sep-21	West Line Rocky View County, Contract Number 20-004
B117	CPP2007Y0954	1.587	75.2	78.5	59.7	Aug-30	Sep-9	Sep-21	Aecon Hwy 5-4-52 Contract Number 19261
B119	CPP2007Y0912	1.571*	73.3	78.0	59.0	Sep-9	Sep-10	Sep-21	Volker Stevin Hwy 564:08 CMA 515
B125	CPP2007Y0970	1.621	76.4	78.6	59.6	Aug-26	Sep-15	Sep-21	Lafrentz CMA 1
B129	CPP2007Y0881	1.623	78.2	79.0	59.7	Aug-28	Sep-16	Sep-21	AAA Striping Hwy 2 :24 NBL & SNL
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

\* Indicates result outside tolerance limits.

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A 21-Sep-20

DATE

Project No.: CT190308



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Formulation:		Supplier:			<b>ENNIS</b>				
Yellow	Yellow WB EF-62-0035		Tests Required						
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number				Content			2020	2020	
B133	CPP2007Y0919	1.562*	74.4	78.2	59.2	Sep-14	Sep-18	Sep-29	Aecon Transportation West Ltd Hwy 11:12 WBL
<b>B135</b>	CPP2007Y0970	1.591	73.5	77.9	59.1	Sep-17	Sep-18	Sep-29	Emcon Hwy 15 : 06
B137	CPP2008Y1228	1.588	77.6	78.9	59.6	Sep-14	Sep-18	Sep-29	Lafrentz Hwy 658: 02
B139	CPP2006Y0789	1.542*	68.8*	76.4	58.2	Aug-28	Sep-22	Sep-29	Emcon Hwy Three Hills
B145	CPP2008Y1228	1.557*	75.4	78.6	59.0	Sep-18	Sep-24		Lafrentz Hwy 579:02
			Tolerano	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits	<del>-</del>		± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
l	Jpper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				
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\* Indicates result outside tolerance limits.

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29-Sep-20

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Project No.: EA16335



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Formulation:		Supplier:			<b>ENNIS</b>				
Yellow	WB EF-62-0035	Tests Required							
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B141	CPP2003Y0252	1.605	77.6	78.6	59.8	Sep-18	Sep-22	Sep-29	Ledcor Hwy 47-521A/508
			Toleranç	e Limits					
2018	EF-62-0035	1.627	78.2	78.5	59.3				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.677	83.2	80.5	61.3				
L	ower Limit	1.577	73.2	76.5	57.3				

* Indicates result outside tolerance	limits.	197	
Test not Required by AT		101	
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Project No.: CT190308



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Formulation:		Supplier:			<b>ENNIS</b>				
Yellow	Yellow WB EF-62-0035		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number				Content			2020	2020	
B148	CPP2008Y1045	1.619	74.0	77.9	59.1	Sep-22	Sep-28	Oct-6	Volker Stevin Exit 105 Ramps Hwy1;02 Km 22:863 Paul Prout 403-803-4034
B150	CPP2007Y0881	1.591	82.7	79.9	60.6	Sep-25	Sep-29	Oct-6	Aecon Hwy 2:02 Contract Number 20468 Sampled By Contractor
			Toleranc	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.686	83.2	80.0	61.2				
	ower Limit	1.586	73.2	76.0	57.2				

* Indicates result outside tolerance I	imits.	. 11		
with the second	PER:	1/4	10	6-Oct-20
		VV	1	DATE
	Reviewed By:	10.10	A.	
	<del></del>	/		

Project No.: CT190308

Attn: Rishi Adhikari, P.Eng.

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Fo	Formulation:		Supplier:		<b>ENNIS</b>				
Yellow	WB EF-62-0035		Tests Re	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Sampled	Received	Reported	
Number	2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
B152	CPP2007Y0881	1.591	82.2	79.8	60.3	Sep-28	Oct-1	Oct-15	Line King South Hwy 628 to Hwy 16 Km:15+010 To Km 33+900
B156	CPP009Y1230	1.587	74.8	78.2	59.2	Sep-29	Oct-7	Oct-15	Emcon Hwy 2:46 Km 42 CMA6 East
B158	CPP2007Y0954	1.578*	76.2	78.5	59.3	Sep-25	Oct-7	Oct-15	Emcon Hwy 33:12 Km 13 CMA 6 East
B160	CPP2009Y1230*	1.565*	73.4	77.9	58.9	Sep-29	Oct-7	Oct-15	Emcon Hwy 750:02 Km 12 CMA 6 West
			Tolerano	e Limits					
2019	EF-62-0035	1.636	78.2	78.0	59.2				
Tole	erance Limits			± 2%	± 2%				
			± 5	absolute	absolute				
L	Jpper Limit	1.686	83.2	80.0	61.2				
L	ower Limit	1.586	73.2	76.0	57.2				

Not: B160

\* Indicates result outside tolerance limits.

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15-Oct-20 DATE

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Formulation:		ipplier:		<b>ENNIS</b>		_		
WB EF-62-0035		Tests R	equired					
Batch	Relative	Viscosity	Non-	Pigment	Date	Date	Date	Applicator and Location
Number	Density		Volatile	Content	Sampled	Received	Reported	
2020	(25/25°C)	(Krebs)	Content (%)	(%)	2020	2020	2020	
CPP2008Y1228	1.555*	76.3	78.3	59.4	Sep-28	Oct-15	Oct-27	Lafrentz Acheson
CPP2008Y1228	1.490*	69.9*	76.5	57.9	Sep-25	Oct-15	Oct-27	Contract Number 0019804 Hwy 43:14 WBL Whitecourt
		Toleranc	e Limits					
EF-62-0035	1.636	78.2	78.0	59.2				
erance Limits			± 2%	± 2%				
	± 0.05	± 5	absolute	absolute				
pper Limit	1.686	83.2	80.0	61.2				
ower Limit	1.586	73.2	76.0	57.2				
	## FF-62-0035  Batch Number  2020  CPP2008Y1228  CPP2008Y1228  EF-62-0035  rance Limits  pper Limit	## Relative Density    2020	### Tolerance   Figure   Figur	WB EF-62-0035         Tests Required           Batch Number         Relative Density         Viscosity Volatile Content (%)           2020         (25/25°C)         (Krebs)         (%)           CPP2008Y1228         1.555*         76.3         78.3           CPP2008Y1228         1.490*         69.9*         76.5           Tolerance Limits           EF-62-0035         1.636         78.2         78.0           rance Limits         ± 2%         absolute           pper Limit         1.686         83.2         80.0	Tests Required   Pigment   Content   Content	Tests Required   Date   Sampled	Tests Required   Date   Date   Sampled   Received	Tests Required   Tests Required   Pigment   Date   Sampled   Received   Reported

Not: B160

Indicates result outside tolerance limits.

Test not Required by AT

PER:

27-Oct-20 DATE

Reviewed By:

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