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	ormulation:	s	upplier:	ENNIS					
White /	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received		Applicator and Location
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B1	CPP2004W0285	1.420	81.3	71.7	54.9	May-22	May-25	Jun-1	Mainroad Hwy 766:10
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

* Indicates result outside tolerance limits.

Test not Required by AT

PER

1/Jun/20

DATE

d

Reviewed By:

Project No.: EA16335



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To: Alberta Transportation
Technical Standards Branch
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Fo	ormulation:	S	upplier:	ENNIS					
White A	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received	Date Reported	Applicator and Location
710111501	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B24	CPP2004W0319	1.395	84.7	70.6	53.6	Jun-1	Jun-11	Jun-15	Mainroad Hwy 11:16 CMA516 Sampler Kevin Anderson 587-201-0513
			Tolerand	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				A

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

* Indicates result outside tolerance limits.

Test not Required by AT

Jun-15

Reviewed By:

Formulation:

White Acetone 986061

Batch

Number

Lab

Sample

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

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Technical Standards Branch
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Date

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Applicator and Location

Number		, ,		Content					
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B40	CPP2003W0136	1.463	89.6	75.3	57.5	Jun-20	Jun-25	Jul-13	AAA Striping Hwy 669:02 From Hwy 40 to Hwy 747 Peace Region
B44	CPP2003W0196	1.421	87.3	72.3	56.0	Jun-25	Jun-29	Jul-13	Carmacks Deerfoot
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
	Jpper Limit	1.5	90	76.0	57.5				
	ower Limit	1.35	75	71.0	52.0				

Date

Sampled | Received | Reported

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

Relative

Density

ENNIS

Non-

Volatile

Pigment

Content

Date

Tests Required

Supplier:

Viscosity

* Indicates result outside tolerance limits.

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Jul-13

Reviewed By:

Project No.: EA16335



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Fo	ormulation:	S	upplier:	ENNIS					
White	Acetone 986061		Tests R	equired	_				
Lab Sample Number	Batch Number 2020	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Date Sampled 2020	Date Received 2020	Date Reported 2020	Applicator and Location
B54	CPP2004W0388	1.493	92.3*	74.9	58.9*	Apr-24	Jul-6	Jul-21	E-Construction Contract # 20533 Hwy 2A:54
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

* Indicates result outside tolerance limits.

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Jul-21

Reviewed By:

Project No.: EA16335



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Edmonton, AB

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Fax +1 (780) 377-3599

Fo	rmulation:	S	upplier:	ENNIS					
White A	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number 2020	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Date Sampled 2020	Date Received 2020	Date Reported 2020	Applicator and Location
B70	CPP2006W0676	1.434	83.3	75.1	56.1	Jul-18	Jul-22		Mainroad ponoka
			Tolerand	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.5	90	76.0	57.5				
Lo	ower Limit	1.35	75	71.0	52.0				

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

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Jul-27

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Fo	ormulation:	S	upplier:	ENNIS					
White A	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received	Date Reported	Applicator and Location
- rtainiboi	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B74	CPP2006W0676	1.440	89.1	72.9	56.7	Jul-20	Jul-23	Aug-10	AAA Striping Hwy 670 From RangeRoad 55 East to Range Road 43
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

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Aug-10

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Fax +1 (/80) 3//-

F0	ormulation:	S	upplier:	ENNIS					
White	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number 2020	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Date Sampled 2020	Date Received 2020	Date Reported 2020	Applicator and Location
B87	CPP2006W0750	1.434	86.6	67*	51.1*	Jul-27	Aug-7		AAA Striping Hwy 88:06 From Hwy 750 22 Kms South of Hwy 986 Peace River
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L (Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

* Indicates result outside tolerance limits.

Test not Required by AT

123-

Aug-17

Reviewed By:

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

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Fo	ormulation:	S	upplier:	ENNIS					
White	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received	Date Reported	Applicator and Location
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B91	CPP2007W0961	1.454	88.2	76.0	56	Aug-10	Aug-17	Aug-24	Line West Hwy 2A: 54 Jct From Hwy 2 To Jct of Hwy 49
B97	CPP2004W0284	1.483	102.5*	75.6	57.3	Aug-14	Aug-19	Aug-24	Lafrentz Hwy 986 :04
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				
						+	In all and an a		ida talaransa limita

Note: White Paint Formulation 986061 - , batch number - CPP1810W1806, did not match submitted manufacturer's samples.

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Aug-24

DATE

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Fo	ormulation:	S	upplier:	ENNIS					
White A	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled		Date Reported	Applicator and Location
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B99	CPP2003W0248	1.470	89.9	75.7	56.8	Aug-20	Aug-20	Sep-1	Lafrentz Hwy 27:05 CMA 515
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Ipper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

* Indicates result outside tolerance limits.

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Sep-1

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Edmonton, AB

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Fo	ormulation:	S	upplier:	ENNIS					
White A	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number 2020	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Date Sampled 2020	Date Received 2020	Date Reported 2020	Applicator and Location
B120	CPP2006W0800	1.443	83.0	74.5	56.9	Sep-8	Sep-10		Mainroad Hwy 613 CMA 515
B122	CPP2006W0676	1.436	86.6	72.7	55.6	Sep-8	Sep-10		AAA Striping Hwy 35:06
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits	± 0.05	± 5	± 2% absolute	± 2% absolute				
U	Ipper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

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DED

Sep-21

DATE

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Fo	ormulation:	S	upplier:	ENNIS					A
White /	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received	Date Reported	Applicator and Location
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B142	CPP2005W0547	1.432	84.1	73.4	55.6	Sep-22	Sep-24	Sep-29	Applicator(N/A) Deer Foot
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Jpper Limit	1.5	90	76.0	57.5				
L	ower Limit	1.35	75	71.0	52.0				

* Indicates result outside tolerance limits.

Test not Required by AT

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Sep-29

14.

Reviewed By:

Project No.: EA16335

wood.

Attn: Rishi Adhikari, P.Eng.

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Fo	rmulation:	S	upplier:	ENNIS					
White A	Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received	Date Reported	Applicator and Location
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B153	CPP2004W0284	1.473	90.0	75.6	56.7	Sep-10	Oct-5	Oct-15	Lafrentz Hwy 721:02 and Hwy722:02
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.5	90	76.0	57.5				
Lo	ower Limit	1.35	75	71.0	52.0				

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Oct-15

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Fo	Formulation:		upplier:	ENNIS					
White A	White Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number	Relative Density	Viscosity	Non- Volatile Content	Pigment Content	Date Sampled	Date Received		Applicator and Location
	2020	(25/25°C)	(Krebs)	(%)	(%)	2020	2020	2020	
B165	CPP2008W1145*	1.466	86.4	74.4	57.1	Oct-15	Oct-19	Nov-2	Aecom Hwy 2:02 Contract Number 20468
B167	CPP2008W1173	1.421	85.8	72.4	55.4	Oct-8	Oct-19	Nov-2	AAA Striping Hwy 49:02/04 Km 34.91 To Km 14.17
B169	CPP2008W1213	1.442	85.7	72.7	56.0	Oct-15	Oct-23	Nov-2	Lafrentz Hwy 40:38, 40, 42 Km 21 (40:38) Km 17 (40:42) Contract Number 18341
B171	CPP2007W0961	1.499	86.6	75.6	57.1	Oct-1	Oct-23	Nov-2	Line West Hwy 9:10
			Toleranc	 e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	Tolerance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	Upper Limit		90	76.0	57.5				
LL	Lower Limit		75	71.0	52.0				

Note: Yellow Paint Formulation 986061 - , batch number - CPP2008W1145, did not match submitted manufacturer's samples.

* Indicates result outside tolerance limits.

Test not Required by AT

PER

Nov-2

Reviewed By:

Project No.: EA16335



Attn: Rishi Adhikari, P.Eng.

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F	Formulation:		Supplier:	ENNIS					
White	White Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number 2020	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Date Sampled 2020	Date Received 2020	Date Reported 2020	Applicator and Location
B175	CPP2008W1145*	1.458	86.3	75.2	56.7	Oct-26	Oct-29	Nov-9	Line King Hwy12:18
								1101 0	3 , 244
			Tolerance Limits						
	986061	n/a	n/a	n/a	n/a				
Tol	Tolerance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
l l	Upper Limit		90	76.0	57.5				
	Lower Limit		75	71.0	52.0				

Note: Yellow Paint Formulation986061 - , batch number - CPP2008W1145, did not match submitted manufacturer's samples.

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Nov-9

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Formulation:		S	upplier:	ENNIS					
White A	White Acetone 986061		Tests R	equired					
Lab Sample Number	Batch Number 2020	Relative Density (25/25°C)	Viscosity (Krebs)	Non- Volatile Content (%)	Pigment Content (%)	Date Sampled 2020	Date Received 2020	Date Reported 2020	Applicator and Location
B178	CPP2008W1145*	1.477	88.9	75.4	56.5	Nov-5	Nov-9		Aecom Hwy 2:06
B181	CPP2008W1145*	1.479	89.7	75.8	57.4	Nov-6	Nov-12		Line King Hwy 791:08
B183	CPP2008W1145*	1.468	86.5	75.7	53.4	Oct-30	Nov-12		Line King Hwy 1:18
B184	CPP2007W0961	1.432	91*	74.2	54.3	Nov-5	Nov-13		Lahrmann Contract # 19075 Hwy 582:02
			Toleranc	e Limits					
	986061	n/a	n/a	n/a	n/a				
Tole	Tolerance Limits			± 2%	± 2%				6
		± 0.05	± 5	absolute	absolute				
L	Upper Limit		90	76.0	57.5				
L	Lower Limit		75	71.0	52.0				

Note: Yellow Paint Formulation 986061 - , batch number - CPP2008W1145, did not match submitted manufacturer's samples.

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Test not Required by AT

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Nov-23

DATE

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