Tolerance Limits

Upper Limit

Project No.: 16335

1150

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: WSP E&I Canada Limited

5671 - 70 Street

Edmonton, AB

Canada T6B 3P6

Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Tel +1 (780) 436-2152 Fax +1 (780) 377-3599

OZARK Formulation: Supplier: **Tests Required Yellow WB 27251** Date Applicator and Location Lab Batch Relative Viscosity Non-**Pigment** Dry to Date Received Volatile Sample Number Density Content Touch Sampled Number Content 2023 (25/25°C) (Krebs) (%)(%)(Minutes) 2023 2023 **B6** 050422YM0187 1.678 82.7 77.1 62.1 3.0 May-17 May-17 Emcon Hanna, AB Sampler Philip Jarvis 403-854-0471 **Tolerance Limits** 2021 27251 1.673 82.3 77.8 62.2

*Note: Formulation numbers do not match any current approved traffic paints for use on Alberta Transportation Projects

 ± 0.05

1.723

± 2%

absolute

79.8

± 5

87.3

± 2%

absolute

64.2

* Indicates result outside tolerance limits.

Test not Required by AT

PER:

23-May-23 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.

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Formulation:		Supplier:			OZARK				
Yellow WB 27251			Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	
Number				Content					
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023	
B37	042823YD0059	1.588*	75.2*	75.8	60.4	3.3	Jun-23	Jun-26	Emcon Hwy 881:20 CMA 8 Sampler Athur Kavulok 780-675-2780
			Toleranc	e Limits					
2021	27251	1.673	82.3	77.8	62.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	lpper Limit	1.723	87.3	79.8	64.2				
Lower Limit		1.623	77.3	75.8	60.2				
2021 Tole	27251 erance Limits	1.673 ± 0.05 1.723 1.623	**Toleranc** 82.3 * ± 5 87.3 77.3	e Limits 77.8 ± 2% absolute 79.8 75.8	62.2 ± 2% absolute 64.2 60.2				Emcon Hwy 881:20 CMA 8 Sampler Athur Kavulok 780-675-2780

*Note: Formulation numbers do not match any current approved traffic paints for use on Alberta Transportation Projects * Indicates result outside tolerance limits.

Test not Required by AT

PER:

10-Jul-23 DATE

Reviewed By:

Project No.: 16335

1115

Attn: Rishi Adhikari, P.Eng.

To: A berta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
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Canada T6B 3P6

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Formulation:		Supplier:							
w WB 27251	Tests Required								
Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location	
Number	Density		Volatile	Content	Touch	Sampled	Received		
			Content						
2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023		
080122YM0330	1.614*	81.5	78.0	62.4	3.2	Jun-26	Jun-29	Medicine Hat	
		Toleranc	e Limits						
27251	1.673	82.3	77.8	62.2					
rance Limits			± 2%	± 2%					
	± 0.05	± 5	absolute	absolute					
poer Limit	1.723	87.3	79.8	64.2					
ower Limit	1.623	77.3	75.8	60.2					
	MWB 27251 Batch Number 2023 080122YM0330 27251 rance Limits poer Limit	## WB 27251 Batch Relative Density 2023 (25/25°C) 080122YM0330 1.614* 27251 1.673 rance Limits ± 0.05 poer Limit 1.723	W WB 27251 Tests Relative Density Viscosity 2023 (25/25°C) (Krebs) 080122YM0330 1.614* 81.5 Toleranc 27251 1.673 82.3 rance Limits ± 0.05 ± 5 poer Limit 1.723 87.3	Number Relative Viscosity Non-Volatile Content	Tests Required Pigment Content Content	Tests Required Tests Required	Tests Required Tests Required Tests Required Touch Date Density Non- Volatile Content Content	Tests Required Tests Required Tests Required Touch Date Date Received Content Content	Tests Required Sampled Date Date Received Received Received Sampled Sampled Sampled Sampled Sampled Sampled Sampled Received Sampled Sampled Received Sampled Sampled Sampled Sampled Received Sampled Sampled

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Test not Required by AT

PER:

17-Jul-23 DATE

Reviewed By:

Project No.: 16335

1120

Attn: Rishi Adhikari, P.Eng.

To: Alberta Transportation
Technical Standards Branch
2nd Floor, Twin Atria Building
4999 - 98 Ave
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5671 - 70 Street

Edmonton, AB

Canada T6B 3P6

Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

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Fo	Formulation:		Supplier:								
Yello	w WB 27251		Tests Re	equired							
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date		Applicator and Location	
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received			
Number				Content							
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023			
B53	072822YM0324	1.625	80.4	77.7	62.1	3.4	Jul-9	Jul-13	Volker Stevin Pincher Creek		
			Toleranc	e Limits							
2021	27251	1.673	82.3	77.8	62.2						
Tole	erance Limits			± 2%	± 2%						
		± 0.05	± 5	absolute	absolute	s					
U	pper Limit	1.723	87.3	79.8	64.2	r V					
Lo	ower Limit	1.623	77.3	75.8	60.2						

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Test not Required by AT

PER:

24-Jul-23

DATE

Reviewed By:

Project No.: 16335

MSD

Attn: Rishi Adhikari, P.Eng.

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

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Edmonton, AB

Canada T6B 3P6

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Fo	rmulation:	Su	ipplier:		OZARK				
Yello	w WB 27251	Tests Required							
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	
Number				Content			·		
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023	
B89	050923YD0073	1.600*	75.4*	76.2	60.9	3.2	Aug-15	Aug-15	Emcon Hwy 16:22CMA 14 Sampler Vince Vandale 780-853-0238
B96	072722YM0322	1.580*	76.8*	77.2	61.2	3.2	Aug-16		Volker Stevin Fort Macleod Hwy 518:02
			Tolerance	e Limits					
2021	27251	1.673	82.3	77.8	62.2				
Tole	rance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.723	87.3	79.8	64.2				
Lo	ower Limit	1.623	77.3	75.8	60.2				

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Test not Required by AT

PER:

6-Sep-23 DATE

Reviewed By:

Project No.: 16335

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: WSP E&I Canada Limited

5671 - 70 Street

Edmonton, AB

Canada T6B 3P6

Tel +1 (780) 436-2152

Fax +1 (780) 377-3599

Tel +1 (780) 436-2152 Fax +1 (780) 377-3599

Fo	rmulation:	Sı	ipplier:		OZARK				
Yello	Yellow WB 27251		Tests R	equired		_			
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	
Number				Content					
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023	
B108	072822YM0326	1.599*	80.8	78.0	62.1	3.3	Aug-10	Aug-25	Volker Stevin Carston, AB CMA 25
B112	050323YD0065	1.569*	81.8	76.3	60.5	3.4	Aug-30	Aug-30	Emcon, CamRose Sampler Dwignt Reweg 780-5718

			Toleranc	e Limits					
2021	27251	1.673	82.3	77.8	62.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
L	Ipper Limit	1.723	87.3	79.8	64.2				
	ower Limit	1.623	77.3	75.8	60.2				
*Note: Fo	ormulation number	ers do not m	atch any o	urrent an	proved	*	Indicates	regult oute	ide tolerance limits

traffic paints for use on Alberta Transportation Projects

Indicates result outside tolerance limits. Test not Required by AT

PER:

6-Sep-23 DATE

Reviewed By:

Project No.: 16335

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Fo	Formulation:		Supplier:						
Yello	w WB 27251		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	
Number				Content					
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023	
B114	042723YD0057	1.625	77.4	76.6	61.2	3.2	Aug-12	Aug-31	Ledcor Hwy 575:04 Con#21937
								1.00	
			Toleranc	e Limits					
2021	27251	1.673	82.3	77.8	62.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.723	87.3	79.8	64.2				
L.	ower Limit	1.623	77.3	75.8	60.2				

*Note: Formulation numbers do not match any current approved traffic paints for use on Alberta Transportation Projects

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Test not Required by AT

PER:

18-Sep-23 DATE

Reviewed By:

Project No.: 16335

1150

Attn: Rishi Adhikari, P.Eng.

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

Canada T6B 3P6

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Fax +1 (780) 377-3599

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Formulation:		Supplier:			OZARK				
Yello	w WB 27251		Tests R	equired					
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	
Number				Content					
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023	
B121	080522YM0341	1.609*	75.2*	77.1	61.6	3.3	Sep-7	Sep-8	Volker Stevin Hwy 41:08
B133	042723YD0057	1.645	94.4*	76.8	62.1	3.4	Aug-30	Sep-18	Lafrentz Hwy 587:02 Lafrentz Hwy 22:22 CMA 514
			Toleranc	e Limits					
2021	27251	1.673	82.3	77.8	62.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
	pper Limit	1.723	87.3	79.8	64.2				
L	ower Limit	1.623	77.3	75.8	60.2				
Moto: E	rmulation number	ro do not m	otob onu o		ana and	*	la dia ata a		ide tolerance limits

Note: Formulation numbers do not match any current approved traffic paints for use on Alberta Transportation Projects

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Test not Required by AT

PER:

25-Sep-23 DATE

Reviewed By:

Project No.: 16335

WSP

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Fo	rmulation:	Su	ipplier:		OZARK				
Yello	w WB 27251		Tests R	equired			_		
Lab	Batch	Relative	Viscosity	Non-	Pigment	Dry to	Date	Date	Applicator and Location
Sample	Number	Density		Volatile	Content	Touch	Sampled	Received	
Number				Content					
	2023	(25/25°C)	(Krebs)	(%)	(%)	(Minutes)	2023	2023	
B162	080923WD0163	1.610*	83.2	75.1	61.3	3.1	Sep-29	Oct-30	Lafrentz Hwy 2A/669 From Hwy 49/669 intersection to Hwy2:54/669 intersection Km o to km 22.7/27.4 Con#22265
			Toleranc	e Limits					
2021	27251	1.673	82.3	77.8	62.2				
Tole	erance Limits			± 2%	± 2%				
		± 0.05	± 5	absolute	absolute				
U	pper Limit	1.723	87.3	79.8	64.2				
L	ower Limit	1.623	77.3	75.8	60.2				· ·

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Test not Required by AT

PER:

7-Nov-23 DATE

Reviewed By:

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