



Professional Service Industries, Inc.
Three Burwood Lane
San Antonio, TX 78216
Texas Firm Registration No. F-03307
Phone: (210) 342-9377
Fax: (210) 342-9401

Report No: ADR:03113615-110

Issue No: 1

Asphalt Nuclear Density Report

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 11/9/2022

Client: ASHTON WOODS **CC:** COLBY OGLETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/4/2022
Specification:	V-Masterson Plt - TY C(B)Rap(4680)70-22	Gauge Make:	Troxler/3430
Method of Measurement:	Backscatter	Gauge Model:	3430
Density Standard Count:	2192	Gauge Serial:	65455
MLD Method:	External	Calibration Date:	
Weather:	Partly Cloudy	Calibration Source:	

Test Results

ASTM D 2950

Test No	Location	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: Roadway - Fern Hollow											
1	STA: 2+20	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.50	95.9	91.5 to 96.2	A
2	STA: 4+30	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.10	95.7	91.5 to 96.2	A
General Location: Roadway - Birch View											
3	STA: 9+50	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.40	95.9	91.5 to 96.2	A
4	STA: 12+80	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.50	95.9	91.5 to 96.2	A
5	STA: 15+70	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.80	96.1	91.5 to 96.2	A
6	STA: 18+00	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.70	96.1	91.5 to 96.2	A
General Location: Roadway - Hennersby Lane											
7	STA: 2+00	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	145.70	95.4	91.5 to 96.2	A
8	STA: 4+70	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	145.40	95.2	91.5 to 96.2	A

Comments

Legend

A = TEST RESULTS COMPLY WITH SPECIFICATION



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Three Burwood Lane
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Phone: (210) 342-9377
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Report No: ADR:03113615-110

Issue No: 1

Asphalt Nuclear Density Report

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 11/9/2022

Client: ASHTON WOODS **CC:** COLBY OGLETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Test Results

ASTM D 2950

Test Location No	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: Roadway - Hennersby Lane										
9	STA: 7+80	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.70	96.1	91.5 to 96.2 A
10	STA: 10+10	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.90	145.70	95.3	91.5 to 96.2 A
11	STA: 13+80	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	145.90	95.5	91.5 to 96.2 A
12	STA: 17+20	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.10	95.7	91.5 to 96.2 A
13	STA: 19+20	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.70	146.50	95.9	91.5 to 96.2 A

Comments

Legend



Professional Service Industries, Inc.
Three Burwood Lane
San Antonio, TX 78216
Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: ADR:03113615-163

Issue No: 1

Asphalt Nuclear Density Report

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 4/28/2023

Client: ASHTON WOODS **CC:** COLBY OGLETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	4/21/2023
Specification:	Vulcan Masterson - Ty D - #SS-3076-DG-D	Gauge Make:	Troxler/3430
Method of Measurement:	Backscatter	Gauge Model:	3430
Density Standard Count:	2115	Gauge Serial:	65359
MLD Method:	External	Calibration Date:	3/14/2023
Weather:	Cloudy	Calibration Source:	PSI-Pittsburg

Test Results

ASTM D 2950

Test Location No	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: Masterson Rd.										
1	STA: 4+50	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	146.30	96.3	92.0 to 97.0 A
2	STA: 6+30	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	146.50	96.4	92.0 to 97.0 A
3	STA: 8+40	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	147.20	96.9	92.0 to 97.0 A
4	STA: 9+90	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	147.00	96.8	92.0 to 97.0 A

Comments

Legend

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Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: ADR:03113615-164

Issue No: 1

Asphalt Nuclear Density Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/4/2023

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Rudy Rosales	Date Tested:	4/25/2023
Specification:	Vulcan Masterson - C(B)Rap(4680) 64-22 for 70-22	Gauge Make:	Troxler/3430
Method of Measurement:	Backscatter	Gauge Model:	3430
Density Standard Count:	1914	Gauge Serial:	28345
MLD Method:	External	Calibration Date:	
Weather:	Overcast	Calibration Source:	PSI-Pittsburgh

Test Results

ASTM D 2950

Test No	Location	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: Masterson Rd. - STA: 1+10 thru 8+00 West & East Bound Lane											
1	STA: 250 WB Lane	Vulcan Materials	Type C HMA (COSA Item 205)	Surface	2.0	1 min.	151.80	144.00	94.9	92.0 to 97.0	A
2	STA: 4+00 WB Lane	Vulcan Materials	Type C HMA (COSA Item 205)	Surface	2.0	1 min.	151.80	140.60	92.6	92.0 to 97.0	A
3	STA: 5+50 EB Lane	Vulcan Materials	Type C HMA (COSA Item 205)	Surface	2.0	1 min.	151.80	142.40	93.8	92.0 to 97.0	A
4	STA: 7+00 EB Lane	Vulcan Materials	Type C HMA (COSA Item 205)	Surface	2.0	1 min.	151.80	143.80	94.7	92.0 to 97.0	A

Comments

MLD used from report #03113615-164-A5.

Legend

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Three Burwood Lane
San Antonio, TX 78216
Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: ADR:03113615-165

Issue No: 1

Asphalt Nuclear Density Report

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 5/3/2023

Client: ASHTON WOODS **CC:** COLBY OGLETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:		Date Tested:	4/26/2023
Specification:	Vulcan Masterson - Ty D - #SS-3076-DG-D	Gauge Make:	Troxler/3430
Method of Measurement:	Backscatter	Gauge Model:	3430
Density Standard Count:	1855	Gauge Serial:	28345
MLD Method:	External	Calibration Date:	4/3/2023
Weather:	Overcast	Calibration Source:	PSI-Pittsburgh

Test Results

ASTM D 2950

Test Location No	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: 15' Building Setback - NW Corner of Hennerby Lane & Birch Hollow										
1	North side of setback	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	143.60	94.5	92.0 to 97.0 A
2	Middle of setback	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	142.70	93.9	92.0 to 97.0 A
3	Southside of setback	Vulcan Materials	Type D HMA (COSA Item 205)	Surface	2.0	1 min.	151.90	140.60	92.6	92.0 to 97.0 A

Comments

MLD used from Report #0311365-163, Lab #23-082

Legend

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/8/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/3/2022
Specification:	V-Masterson Plt - TY C(B)Rap(4680)70-22	Gauge Make:	Troxler/3430
Method of Measurement:	Backscatter	Gauge Model:	3430
Density Standard Count:	2186	Gauge Serial:	65455
MLD Method:	External	Calibration Date:	9/9/2022
Weather:	Partly Cloudy	Calibration Source:	PSI - Pittsburgh

Test Results

ASTM D 2950

Test No	Location	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: Street Pavement											
1	Birch Crossing , 1+50, Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.30	95.9	91.5 to 96.2	A
2	Birch Crossing , 3+50, Left of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.60	96.1	91.5 to 96.2	A
3	Birch Crossing , 6+50, Right of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.00	95.7	91.5 to 96.2	A
4	Birch Hollow, 2+00, Right of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	143.60	94.2	91.5 to 96.2	A
5	Birch Hollow, 4+50, Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	142.80	93.6	91.5 to 96.2	A
6	Birch Hollow, 7+00, Left of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	143.20	93.9	91.5 to 96.2	A
7	Birch Pass, 1+30, Left of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.40	96.0	91.5 to 96.2	A
8	Birch Pass, 3+70, Right of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.10	95.8	91.5 to 96.2	A
9	Birch Pass, 6+40, Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.00	95.7	91.5 to 96.2	A

Comments

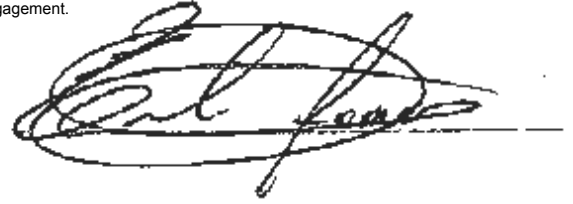
Asphalt placed on 10/26/2020. Using average MLD from report #03113615-105, Lab #22-350 thru 22-355

Legend

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Asphalt Nuclear Density Report

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17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Test Results ASTM D 2950

Test No	Location	Supplier	Mix Type	Material Type	Layer Thickness (in)	Count Rate	MLD (lb/ft³)	In Situ Density (lb/ft³)	Comp (%)	Limit (%)	Results
General Location: Street Pavement											
10	Fern Crossing, 2+10, Right of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	144.40	94.7	91.5 to 96.2	A
11	Fern Crossing, 4+80, Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.20	95.9	91.5 to 96.2	A
12	Fern Crossing, 7+10, Left of Centerline, Asphalt Surface Course	Vulcan Materials	Type C (TxDOT Item 340/341)	Asphalt Surface Course	2.0	1 min.	152.50	146.00	95.7	91.5 to 96.2	A

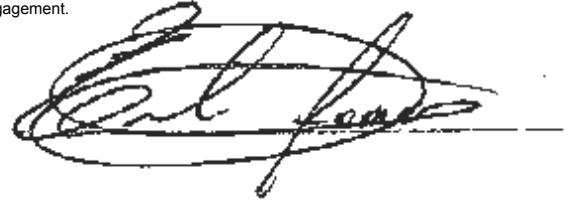
Comments

Asphalt placed on 10/26/2020. Using average MLD from report #03113615-105, Lab #22-350 thru 22-355

Legend

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/31/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-105-A1
Client Sample ID: Lab #22-350
Date Sampled: 10/26/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 0-500 Ton Sample
Production Date: 10/26/22

Other Test Results

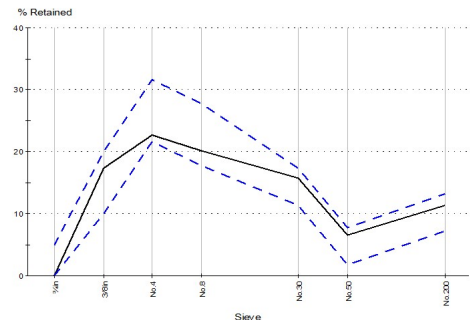
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.5	95.0 to 97.0
Average Actual SG		2.358	
Average Air Voids (%)		3.5	
Average VMA (%)		14.6	
Date Tested		10/28/2022	
Rice Specific Gravity	Tex-227-F	2.444	
Date Tested		10/28/2022	
Asphalt Content (%)	Tex-236-F	4.9	4.7 to 5.3
Date Tested		10/28/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 10/28/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	17.4	10.0 to 20.0
No.4 (4.75mm)	22.7	21.6 to 31.6
No.8 (2.36mm)	20.2	17.8 to 27.8
No.30 (600µm)	15.7	11.4 to 17.4
No.50 (300µm)	6.5	1.8 to 7.8
No.200 (75µm)	11.3	7.2 to 13.2
Finer No.200 (75µm)	6.1	4.2 to 7.0

Chart

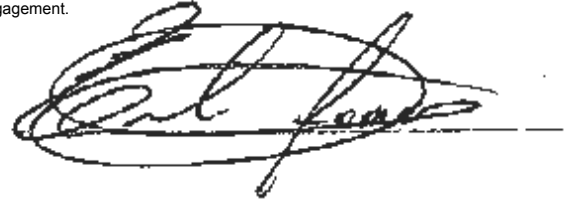


Comments

N/A

Asphalt Test Report

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Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-105-A2
Client Sample ID: Lab #22-351
Date Sampled: 10/26/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 500-1000 Ton Sample
Production Date: 10/26/22

Other Test Results

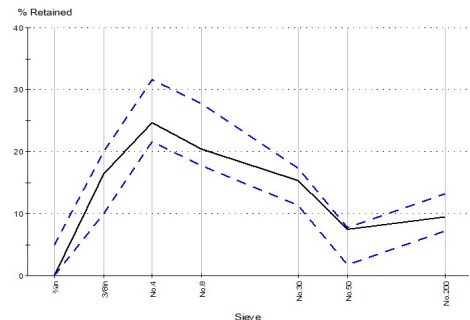
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.5	95.0 to 97.0
Average Actual SG		2.354	
Average Air Voids (%)		3.5	
Average VMA (%)		15.0	
Date Tested		10/28/2022	
Rice Specific Gravity	Tex-227-F	2.440	
Date Tested		10/28/2022	
Asphalt Content (%)	Tex-236-F	5.1	4.7 to 5.3
Date Tested		10/28/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 10/28/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	16.4	10.0 to 20.0
No.4 (4.75mm)	24.7	21.6 to 31.6
No.8 (2.36mm)	20.4	17.8 to 27.8
No.30 (600µm)	15.4	11.4 to 17.4
No.50 (300µm)	7.5	1.8 to 7.8
No.200 (75µm)	9.5	7.2 to 13.2
Finer No.200 (75µm)	6.1	4.2 to 7.0

Chart

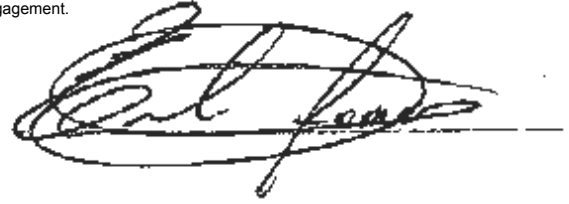


Comments

N/A

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Date of Issue: 10/31/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-105-A3
Client Sample ID: Lab #22-352
Date Sampled: 10/26/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 1000-1500 Ton Sample
Production Date: 10/26/22

Other Test Results

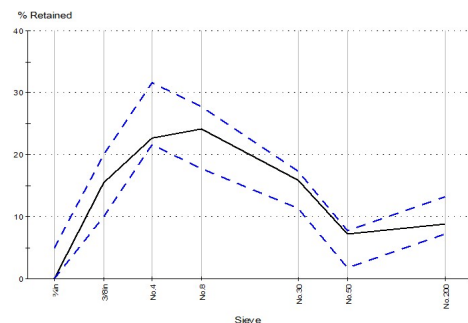
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.3	95.0 to 97.0
Average Actual SG		2.364	
Average Air Voids (%)		3.7	
Average VMA (%)		15.1	
Date Tested		10/28/2022	
Rice Specific Gravity	Tex-227-F	2.456	
Date Tested		10/28/2022	
Asphalt Content (%)	Tex-236-F	5.0	4.7 to 5.3
Date Tested		10/28/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 10/28/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	15.5	10.0 to 20.0
No.4 (4.75mm)	22.7	21.6 to 31.6
No.8 (2.36mm)	24.1	17.8 to 27.8
No.30 (600µm)	15.9	11.4 to 17.4
No.50 (300µm)	7.2	1.8 to 7.8
No.200 (75µm)	8.8	7.2 to 13.2
Finer No.200 (75µm)	5.8	4.2 to 7.0

Chart

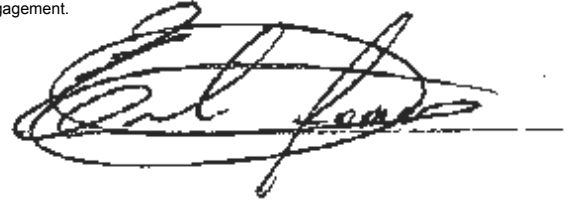


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/3/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-105-A4
Client Sample ID: Lab #22-353
Date Sampled: 10/26/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 1500-2000 Ton Sample
Production Date: 10/26/22

Other Test Results

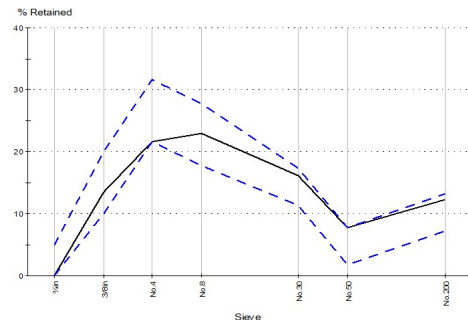
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.0	95.0 to 97.0
Average Actual SG		2.350	
Average Air Voids (%)		4.0	
Average VMA (%)		15.2	
Date Tested		11/2/2022	
Rice Specific Gravity	Tex-227-F	2.447	
Date Tested		11/2/2022	
Asphalt Content (%)	Tex-236-F	5.0	4.7 to 5.3
Date Tested		11/2/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/2/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	13.5	10.0 to 20.0
No.4 (4.75mm)	21.6	21.6 to 31.6
No.8 (2.36mm)	23.0	17.8 to 27.8
No.30 (600µm)	16.2	11.4 to 17.4
No.50 (300µm)	7.7	1.8 to 7.8
No.200 (75µm)	12.3	7.2 to 13.2
Finer No.200 (75µm)	5.7	4.2 to 7.0

Chart

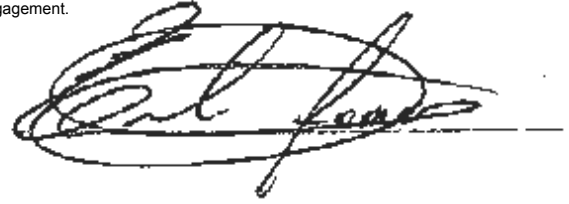


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/3/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-105-A5
Client Sample ID: Lab #22-354
Date Sampled: 10/26/22
Sampled By: Colten Ruff
Specification: Vulcan Helotes Type C, 70-22 (VMC303305C6470R17)
Supplier: Vulcan Materials
Source: Helotes Plant 303
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 0-500 Ton Sample
Production Date: 10/26/22

Other Test Results

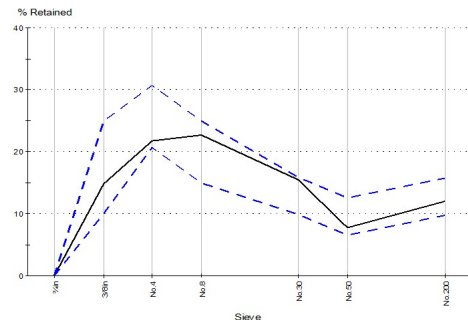
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.4	95.5 to 97.5
Average Actual SG		2.352	
Average Air Voids (%)		3.6	
Average VMA (%)		15.0	
Date Tested		11/2/2022	
Rice Specific Gravity	Tex-227-F	2.441	
Date Tested		11/2/2022	
Asphalt Content (%)	Tex-236-F	5.0	4.5 to 5.1
Date Tested		11/2/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/2/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0 to 0
3/8in (9.5mm)	14.8	10 to 25
No.4 (4.75mm)	21.7	20.7 to 30.7
No.8 (2.36mm)	22.7	14.9 to 24.9
No.30 (600µm)	15.5	9.9 to 15.9
No.50 (300µm)	7.8	6.5 to 12.5
No.200 (75µm)	12.0	9.7 to 15.7
Finer No.200 (75µm)	5.6	2.3 to 6.3

Chart

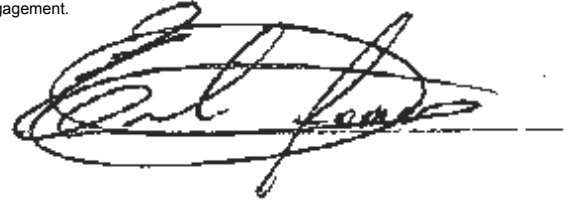


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/3/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-105-A6
Client Sample ID: Lab #22-355
Date Sampled: 10/26/22
Sampled By: Colten Ruff
Specification: Vulcan Helotes Type C, 70-22 (VMC303305C6470R17)
Supplier: Vulcan Materials
Source: Helotes Plant 303
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 500-1000 Ton Sample
Production Date: 10/26/22

Other Test Results

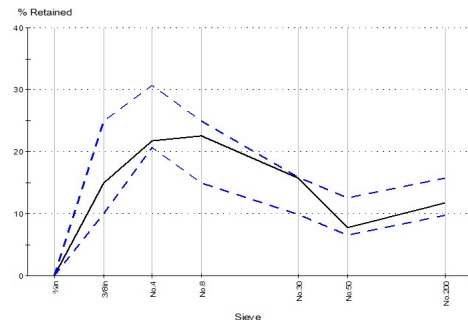
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.8	95.5 to 97.5
Average Actual SG		2.360	
Average Air Voids (%)		3.2	
Average VMA (%)		14.7	
Date Tested		11/2/2022	
Rice Specific Gravity	Tex-227-F	2.437	
Date Tested		11/2/2022	
Asphalt Content (%)	Tex-236-F	5.1	4.5 to 5.1
Date Tested		11/2/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/2/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0 to 0
3/8in (9.5mm)	15.0	10 to 25
No.4 (4.75mm)	21.8	20.7 to 30.7
No.8 (2.36mm)	22.5	14.9 to 24.9
No.30 (600µm)	15.8	9.9 to 15.9
No.50 (300µm)	7.7	6.5 to 12.5
No.200 (75µm)	11.8	9.7 to 15.7
Finer No.200 (75µm)	5.5	2.3 to 6.3

Chart

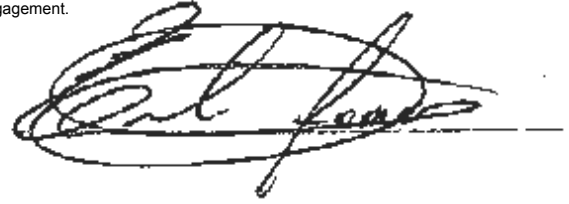


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/9/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-106-A1
Client Sample ID: Lab #22-357
Date Sampled: 10/27/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 0-500 ton sample

Other Test Results

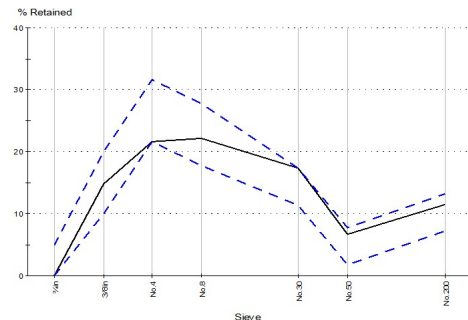
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.6	95.0 to 97.0
Average Actual SG		2.363	
Average Air Voids (%)		3.4	
Average VMA (%)		15.3	
Date Tested		11/8/2022	
Rice Specific Gravity	Tex-227-F	2.445	
Date Tested		11/8/2022	
Asphalt Content (%)	Tex-236-F	5.3	4.7 to 5.3
Date Tested		11/8/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/8/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	14.8	10.0 to 20.0
No.4 (4.75mm)	21.6	21.6 to 31.6
No.8 (2.36mm)	22.1	17.8 to 27.8
No.30 (600µm)	17.4	11.4 to 17.4
No.50 (300µm)	6.7	1.8 to 7.8
No.200 (75µm)	11.5	7.2 to 13.2
Finer No.200 (75µm)	5.9	4.2 to 7.0

Chart

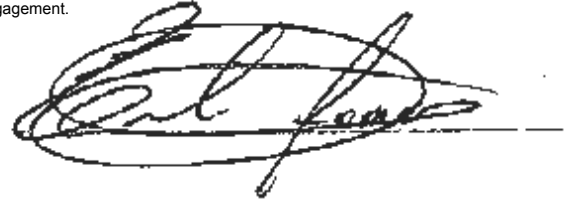


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/9/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-106-A2
Client Sample ID: Lab #22-358
Date Sampled: 10/27/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 500-1000 ton sample

Other Test Results

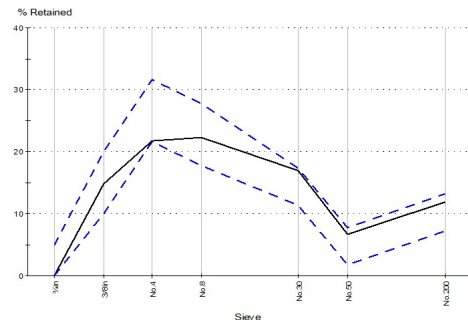
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.3	95.0 to 97.0
Average Actual SG		2.349	
Average Air Voids (%)		3.7	
Average VMA (%)		15.5	
Date Tested		11/8/2022	
Rice Specific Gravity	Tex-227-F	2.440	
Date Tested		11/8/2022	
Asphalt Content (%)	Tex-236-F	5.2	4.7 to 5.3
Date Tested		11/8/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/8/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	14.8	10.0 to 20.0
No.4 (4.75mm)	21.7	21.6 to 31.6
No.8 (2.36mm)	22.3	17.8 to 27.8
No.30 (600µm)	16.9	11.4 to 17.4
No.50 (300µm)	6.7	1.8 to 7.8
No.200 (75µm)	11.9	7.2 to 13.2
Finer No.200 (75µm)	5.5	4.2 to 7.0

Chart

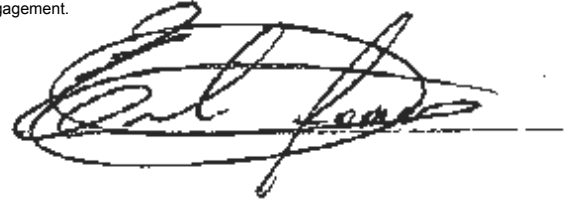


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/9/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-106-A3
Client Sample ID: Lab #22-359
Date Sampled: 10/27/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 1000-1500 ton sample

Other Test Results

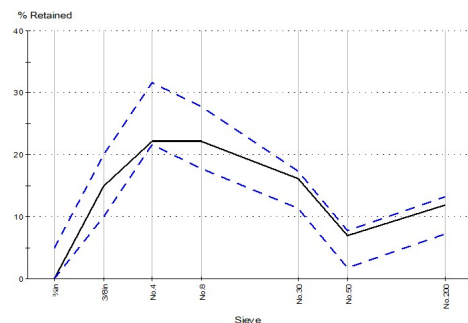
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.0	95.0 to 97.0
Average Actual SG		2.351	
Average Air Voids (%)		4.0	
Average VMA (%)		15.6	
Date Tested		11/8/2022	
Rice Specific Gravity	Tex-227-F	2.450	
Date Tested		11/8/2022	
Asphalt Content (%)	Tex-236-F	5.1	4.7 to 5.3
Date Tested		11/8/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/8/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	14.9	10.0 to 20.0
No.4 (4.75mm)	22.2	21.6 to 31.6
No.8 (2.36mm)	22.1	17.8 to 27.8
No.30 (600µm)	16.2	11.4 to 17.4
No.50 (300µm)	6.9	1.8 to 7.8
No.200 (75µm)	11.9	7.2 to 13.2
Finer No.200 (75µm)	5.7	4.2 to 7.0

Chart

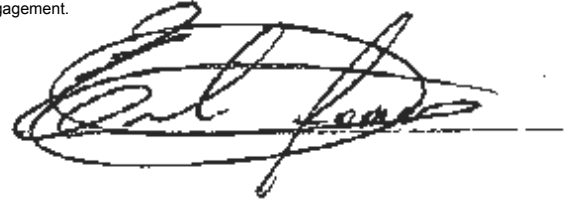


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/9/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-106-A4
Client Sample ID: Lab #22-360
Date Sampled: 10/27/22
Sampled By: Colten Ruff
Specification: V-Masterson Plt - TY C(B)Rap(4680)70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C (TxDOT Item 340/341)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Roadway
Location: 1500-2000 ton sample

Other Test Results

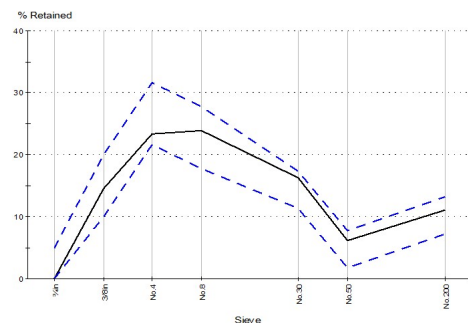
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.1	95.0 to 97.0
Average Actual SG		2.357	
Average Air Voids (%)		3.9	
Average VMA (%)		15.7	
Date Tested		11/8/2022	
Rice Specific Gravity	Tex-227-F	2.452	
Date Tested		11/8/2022	
Asphalt Content (%)	Tex-236-F	5.2	4.7 to 5.3
Date Tested		11/8/2022	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 11/8/2022
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
3/4in (19.0mm)	0.0	0.0 to 5.0
3/8in (9.5mm)	14.6	10.0 to 20.0
No.4 (4.75mm)	23.3	21.6 to 31.6
No.8 (2.36mm)	23.9	17.8 to 27.8
No.30 (600µm)	16.3	11.4 to 17.4
No.50 (300µm)	6.1	1.8 to 7.8
No.200 (75µm)	11.1	7.2 to 13.2
Finer No.200 (75µm)	4.7	4.2 to 7.0

Chart

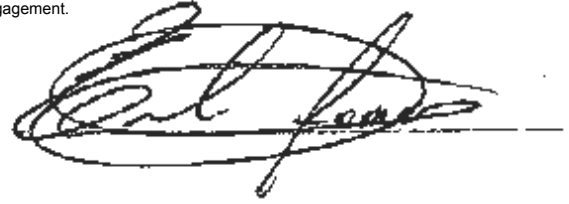


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/28/2023

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-163-A5
Date Sampled: 04/21/23
Sampled By: Benjamin Urbina
Specification: Vulcan Masterson - Ty D - #SS-3076-DG-D
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type D HMA (COSA Item 205)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Vulcan Materials
Location: Masterson Road Plant

Particle Size Distribution

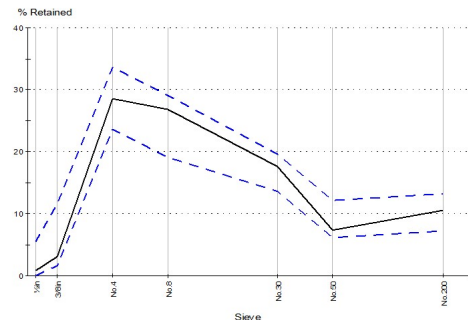
Method: Tex-200-F
Drying By: Oven
Date Tested: 4/27/2023
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
1/2in (12.5mm)	0.8	0 to 5.5
3/8in (9.5mm)	3.1	1.6 to 11.6
No.4 (4.75mm)	28.6	23.6 to 33.6
No.8 (2.36mm)	26.8	19.1 to 29.1
No.30 (600µm)	17.6	13.6 to 19.6
No.50 (300µm)	7.3	6.1 to 12.1
No.200 (75µm)	10.5	7.2 to 13.2
Finer No.200 (75µm)	5.2	2.3 to 6.3

Other Test Results

Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.1	95.0 to 97.0
Average Actual SG		2.340	
Average Air Voids (%)		3.9	
Average VMA (%)		16.1	
Date Tested		4/27/2023	
Rice Specific Gravity	Tex-227-F	2.435	
Date Tested		4/27/2023	
Asphalt Content (%)	Tex-236-F	5.4	5.1 to 5.7
Date Tested		4/27/2023	

Chart

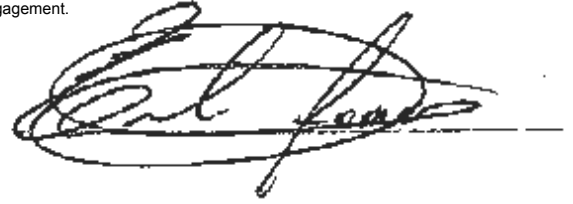


Comments

N/A

Asphalt Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/4/2023

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OGLETREE

Project: ECHTLE SUBDIVISION UNIT 1
SAN ANTONIO, TX

Sample Details

Sample ID: 03113615-164-A5
Client Sample ID: Lab #23-090
Date Sampled: 04/25/23
Sampled By: Rudy Rosales
Specification: Vulcan Masterson - C(B)Rap(4680) 64-22 for 70-22
Supplier: Vulcan Materials
Source: Masterson Plant
Material: Type C HMA (COSA Item 205)
Sampling Method: TEX-222F (Sect. 4.1, Method A) Truck or Railcar
General Location: Texas Materials
Location: Masterson Rd. Plant

Other Test Results

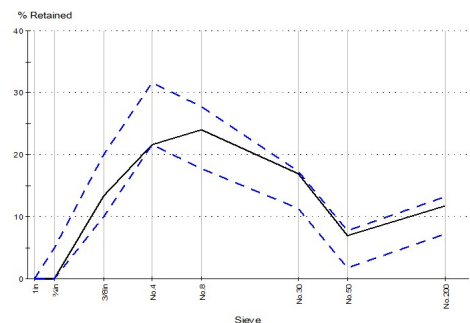
Description	Method	Result	Limits
Average Density (%)	Tex-207-F	96.8	95.0 to 97.0
Average Actual SG		2.355	
Average Air Voids (%)		3.2	
Average VMA (%)		15.0	
Date Tested		5/3/2023	
Rice Specific Gravity	Tex-227-F	2.432	
Date Tested		5/3/2023	
Asphalt Content (%)	Tex-236-F	5.2	4.7 to 5.3
Date Tested		5/3/2023	

Particle Size Distribution

Method: Tex-200-F
Drying By: Oven
Date Tested: 5/3/2023
Tested By: Colten Ruff

Sieve Size	% Retained	Limits
1in (25.0mm)	0.0	0 to 0
3/4in (19.0mm)	0.0	0 to 5.0
3/8in (9.5mm)	13.4	10.0 to 20.0
No.4 (4.75mm)	21.6	21.6 to 31.6
No.8 (2.36mm)	24.0	17.8 to 27.8
No.30 (600µm)	17.0	11.4 to 17.4
No.50 (300µm)	7.0	1.8 to 7.8
No.200 (75µm)	11.8	7.2 to 13.2
Finer No.200 (75µm)	5.1	1.3 to 5.3

Chart



Comments

N/A