Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

Load Date: 3-4-91 Product: 5415 Car No.: TGOX 580008

Time Logged In: 2330 Logged In By: TE

Ship Date: 5 March 91 Silo(s): 690-691 Customer: Blanc 844043-293

NO METAL

	A HDL		CA HDL		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.07		.12		.12		.12	
Contamination TOPS 100 GRAMS	3/4	T 3/3	2/6	T 4/4	3/6	T 2/5	4/7	T 2/4
Bulk Density	.496		.496		.502		.509	
BD wo/antistat								
Hard Particle	1/1 RP	—	—	—	—	—	—	—
Viscosity	1.023							
RVCM	.015							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.52	22.60	14.34	7.75	2.76	1.38	0.72
%	0.0	1.0	45.2	28.7	15.4	5.5	2.8	1.4

Drytime: 5.0 Static Flow: 0 / 9.1 Avg. Microns: 177.3

Color L: 100.63 a -0.02 b 1.40

METS: 9.291 / 119.4 %

Technician: P.T. HPL

VAB.0001194077

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 7 Maech 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5415**

Order No.: 844043-293

Attention: Mr. Gordon Snyder

Railcar No.: TGOX-580008

Date of Shipment: 6 March 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.12
Bulk Density, GM/CC	ABR-2B	0.501
Brabender Dry time	ABR-7	5.0

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	1.0	45.2	28.7	15.4	5.5	2.8	1.4

Hard Particles @7min	ABR-12	1
Residual VCM, PPM	ABGC-26	0.015
Inherent Viscosity	ABR-10	1.02
Mets IR (1201 formula), Mohm/1000 ft.		9291

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

Date: 26 Feb. 91

Customer: Blane Polymers
P. O. Box 170
Mansfield, MA 02048

Product: **5305**

Attention: Gordon Snyder
George Williams

Order No.: 898791-002

Date of Shipment: 25 Feb. 91

Railcar No.: PLCX-44351

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.20
Bulk Density, gm/cc	ABR-2A	0.513
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		18.4
Pan		4.0
Residual VCM, ppm	ABGC-26	0.220
Inherent Viscosity	ABR-10	0.73

Billy P. Sizemore

Laboratory Supervisor/Lead

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

PLWX

Load Date: 2-18-91 Product: 5305 Car No.: 44351

Time Logged In: 1400 Logged In By: KBC

Ship Date: 25 Feb. 91 Silo(s): 678/680 Customer: Blame

898791-002 ~~Not Shaking~~

"Sampled in Jugs."

NO METAL	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.17		.16		.19		.20	
Contamination Syntron Method	4/11		1/14		2/12		1/15	
Wet Method								
Bulk Density	.510		.510		.508		.510	
BD w/antistat					Rerun 2-19-91 .521			
Viscosity	.730		.730		.730		.732	
RVCM	.220		.171		.197		.199	
Blown Film								

Tappi Test Contamination Composite	.06 or less	.07 ----- .15	.20 ----- .60
	3/13		

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.05	2.25	5.74	15.65	15.22	9.22	2.01
%	0.0	0.1	4.5	11.5	31.1	30.4	18.4	4.0

Static Flow: 0 / 8.2 % Glassies: < 1% Avg. Microns: 124.3

Color L: 99.65 a 0.32 b 1.15 CPA: 23.9

Technician: TE

VAB.0001194080

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

A

CERTIFICATE OF ANALYSIS

Date: 14 Feb. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5395**

Order No.: 860064-089

Attention: Mr. Gordon Snyder

Railcar No.: PLWX-44751

Date of Shipment: 13 Feb. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.02
Bulk Density, GM/CC	ABR-2A	0.493
Brabender Dry time	ABR-7	4.7

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.1	12.5	27.0	34.2	15.8	8.8	1.6

Hard Particles @ 7 mins.	ABR-12	2
Residual VCM, PPM	ABGC-26	0.018
Inherent Viscosity	ABR-10	0.93
Mets IR (1201 formula), Mohm/1000 ft.		9617

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194081

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

PLWX

Load Date: 1-8-91 Product: 5395 Car No.: 44751

Time Logged In: 17:00 Logged In By: [illegible]

Ship Date: 13 Feb. 91 Silo(s): Customer: Blue

860064-089

Flow	0/8.2		0/11.1		0/8.2		0/8.3	
	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture								
Contamination	—	—	—	—	—	—	—	—
Bulk Density	.548		.461		.493		.469	
BD w/antistat								
Hard Particle	—	—	—	—	—	—	—	—
Viscosity								
RVCM								

.489/.087

.060

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight								
%								

Drytime: _____ Static Flow: ____/____ Avg. Microns: _____

Color L: _____ a _____ b _____

METS: _____/_____%

Technician: [illegible]

VAB.0001194082

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 12-10-90 Product: 5395 Car No.: 44751

Time Logged In: 0300 Logged In By: TE

Ship Date: _____ Silo(s): 688-685 Customer: _____

NO MEAL

0615

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.02		.02		.02		.02	
Contamination	3/8	—	1/1	—	1/3	—	3/2	—
Bulk Density	.526		.426		.432		.426	
BD w/antistat			.481		.484		.472	
Hard Particle	5/2 R.P.	—	—	—	—	—	—	—
Viscosity	.930							
RVCM	.018							
Flow Screen Analysis	0/15.0		172/93.1		6/18.4		61/108.5	

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.05	6.25	13.50	16.41	7.90	4.42	0.80
%	0.0	0.1	12.5	27.0	34.2	15.8	8.8	1.6

Drytime: 4.7 Static Flow: 22/30.3 Avg. Microns: 144.6

Color L: 100.56 a -0.08 b 1.62

METS: 9,617 / 125.8 %

Technician: P.T.+M.B.

VAB.0001194083

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

UTCX

Load Date: 12-28-90 Product: 5415 Car No.: 46425

Time Logged In: 05:00 Logged In By: P.T.

Ship Date: 1-3-91 Silo(s): 690+91 Customer: [redacted]/Blue

844043-288

No Metal

	A Top		CA Top		CB Top		B Top	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.15		.18		.17		.17	
Contamination Tops 100 Grams	1/5	No sample	2/7	3/9	3/8	3/13	7/19	2/9
Bulk Density	.496		.503		.505		.504	
BD wo/antistat								
Hard Particle	5 / 2 G.B.	—	—	—	—	—	—	—
Viscosity	1.006							
RVCM	.320							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.23	8.65	15.33	15.75	6.00	3.20	0.90
%	0.0 / 0	0.5 / .15	17.3 / 21.27	30.7 / 36.65	31.3 / 25.69	12.0 / 9.81	6.4 / 4.98	1.8 / 1.45

Drytime: 48 Static Flow: 0 18.5 Avg. Microns: 1518 / 153.3

Color L: 100.68 a -0.06 b 1.34

METS: 9457/119.4 %

Technician: P.T. + HA.

VAB.0001194084

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 4 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5415**

Order No.: 844043-288

Attention: Mr. Gordon Snyder

Railcar No.: UTCX-46425

Date of Shipment: 3 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.18
Bulk Density, GM/CC	ABR-2B	0.502
Brabender Dry time	ABR-7	4.8

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.5	17.3	30.7	31.3	12.0	6.4	1.8

Hard Particles @7min	ABR-12	2
Residual VCM, PPM	ABGC-26	0.320
Inherent Viscosity	ABR-10	1.01
Mets IR (1201 formula), Mohm/1000 ft.		9457

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

Visc. only

A

PVC RAILCAR ANALYSIS

PLCX

Load Date: 12-11-90 Product: 5395 Car No.: 45012

Time Logged In: 15:30 Logged In By: F.T.

Ship Date: 4 Silo(s): _____ Customer: _____

860064-081

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture								
Contamination	___	___	___	___	___	___	___	___
Bulk Density								
BD w/antistat								
Hard Particle	___	___	___	___	___	___	___	___
Viscosity			[redacted]		[redacted]			
RVCM								

Screen Analysis Bob Witt and R. Smith received Visc. for Plane

Mesh	40	60	80	100	120	140	200	Pan
Weight								
%								

Drytime: _____ Static Flow: ____/____ Avg. Microns: _____

Color L: _____ a _____ b _____

METS: _____/_____%

Technician: _____

VAB.0001194086

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

Load Date: 11-13-90 Product: 5395 Car No.: 43012

Time Logged In: 430 Logged In By: MY

Ship Date: _____ Silo(s): 676, 677, 685 Customer: [illegible]

Mapl	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.05		.11		.07		.07	
Contamination	5/9		1/13		2/7		4/7	
Bulk Density	.518		.514		.503		.575	
BD w/antistat								
Hard Particle	1 T.B.							
Viscosity	.955	.94		.962		.962		.936
RVCM	.056							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.20	.396	12.75	17.98	7.41	6.70	1.07
%	0.0	0.4	7.8	25.5	35.9	14.8	13.4	2.2

Drytime: 4.9 Static Flow: 0 / 12.5 Avg. Microns: 158.7

Color L: 100.36 a -0.07 b 1.57

METS: 5.186 / 117.0 %

Technician: T.T. & HPC

10:15

VAB.0001194087

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 8 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5395**

Order No.: 860064-081

Attention: Mr. Gordon Snyder

Railcar No.: PLCX-43012

Date of Shipment: 4 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.11
Bulk Density, GM/CC	ABR-2A	0.512
Brabender Dry time	ABR-7	4.9

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.4	7.8	25.5	35.9	14.8	13.4	2.2

Hard Particles @ 7 mins.	ABR-12	1
Residual VCM, PPM	ABGC-26	0.056
Inherent Viscosity	ABR-10	0.95
Mets IR (1201 formula), Mohm/1000 ft.		8986

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

A)

PVC RAILCAR ANALYSIS

UTCX

Load Date: 12-15-90 Product: 5395 Car No.: 46535

Time Logged In: 2300 Logged In By: KJ

Ship Date: 9 Jan. 91 Silo(s): 676, 685, 688 Customer: Blane

860064-083

No Metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.06		.11		.11		.07	
Contamination	2/4		1/3		2/5		2/2	
Bulk Density	.556		.565		.553		.564	
BD w/antistat								
Hard Particle	6/1 .55							
Viscosity	.931							
RVCM	.1							

Screen Analysis

Mesh	40	)	140	200	Pan
Weight	0.00	3	5.26	2.93	0.88
%	0.0	.9	10.5	5.9	1.8

Drytime: 5. 10.1 Avg. Microns: 155.4

b 1.69

METS: 9451 / 1575 %

Technician: C+ES

1130

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Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 10 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5395**

Order No.: 860064-083

Attention: Mr. Gordon Snyder

Railcar No.: UTCX-46535

Date of Shipment: 9 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.11
Bulk Density, GM/CC	ABR-2A	0.559
Brabender Dry time	ABR-7	5.0

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.2	21.4	32.3	27.9	10.5	5.9	1.8

Hard Particles @ 7 mins.	ABR-12	1
Residual VCM, PPM	ABGC-26	0.117
Inherent Viscosity	ABR-10	0.93
Mets IR (1201 formula), Mohm/1000 ft.		9451

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194090

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 12-19-90 Product: 5415 Car No.: 46413

Time Logged In: 0600 Logged In By: CO

Ship Date: _____ Silo(s): 690-691 Customer: Blane

METAL	0		0		0		0	
	A		CA		CB		B	
	1st	2nd Top	1st	2nd Top	1st	2nd Top	1st	2nd Top
Moisture	.14		.11		.09		.11	
Contamination	3 / 7	5 / 6	3 / 5	2 / 14	5 / 10	3 / 8	5 / 9	2 / 7
Bulk Density	.505		.497		.516		.502	
BD wo/antistat								
Hard Particle	18 / 6	—	—	—	—	—	—	—
Viscosity	1.011							
RVCM	.048							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.39	21.76	15.24	8.12	2.40	1.46	0.53
%	0.0	0.8	43.5	30.5	16.4	4.8	2.9	1.1

Drytime: 4.8 Static Flow: 0 / 9.1 Avg. Microns: 176.5

Color L: 100.56 a -0.02 b 1.18

METS: 945/1163 %

Technician: TE - JPS

VAB.0001194091

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 9 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5415**

Order No.: 844043-289

Attention: Mr. Gordon Snyder

Railcar No.: UTCX-46413

Date of Shipment: 8 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.14
Bulk Density, GM/CC	ABR-2B	0.505
Brabender Dry time	ABR-7	4.8

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.8	43.5	30.5	16.4	4.8	2.9	1.1

Hard Particles @7min	ABR-12	6
Residual VCM, PPM	ABGC-26	0.048
Inherent Viscosity	ABR-10	1.01
Mets IR (1201 formula), Mohm/1000 ft.		9451

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

A

Load Date: 12-15-90 Product: 5395 Car No.: PTLX 41825

Time Logged In: 1800 Logged In By: Cc

Ship Date: 9 Jan. 91 Silo(s): 676, 685, 688 Customer: Blane

3 DAY 860064-082

No Metal

	A		CA		CB		B	
	1st	2nd 3day	1st	2nd 3day	1st	2nd 3day	1st	2nd 3day
Moisture	.05	.18	.03	.12	.05	.15	.04	.22
Contamination	3/7	—	4/5	—	2/4	—	3/5	—
Bulk Density	535		.555		543		.560	
BD w/antistat								
Hard Particle	3/1 R.P.	—	—	—	—	—	—	—
Viscosity	.929							
RVCM	.121							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.18	12.45	15.05	15.20	5.30	3.06	0.95
%	0.0	0.4	24.9	30.1	26.0	10.6	6.1	1.9

Drytime: 5.0 Static Flow: 0 / 10.4 Avg. Microns: 157.7

Color L: 100.49 a -0.02 b 1.63

METS: 9617 / 136.8 %

Technician: Pete + Ruth

VAB.0001194093

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 10 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers Product: 5395
P.O.Box 430
Mansfield, MA 02048 Order No.: 860064-082

Attention: Mr. Gordon Snyder Railcar No.: PTLX-41825

Date of Shipment: 9 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.05
Bulk Density, GM/CC	ABR-2A	0.548
Brabender Dry time	ABR-[illegible]	5.0

Particle Size, ABR-3

	60	80	100	120	140	200	PAN
% on 0.00	0.4	24.9	30.1	26.0	10.6	6.1	1.9

Hard Particles @ 7 mins.	ABR-12	1
Residual VCM, PPM	ABGC-26	0.121
Inherent Viscosity	ABR-10	0.93
Mets IR (1201 formula), Mohm/1000 ft.		9617

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 14 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers Product: **5415**
P.O.Box 430
Mansfield, MA 02048 Order No.: 844043-290

Attention: Mr. Gordon Snyder Railcar No.: UTCX-46456

Date of Shipment: 11 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.20
Bulk Density, GM/CC	ABR-2B	0.508
Brabender Dry time	ABR-7	5.0

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.2	19.7	30.8	30.2	11.1	6.1	1.9

Hard Particles @7min	ABR-12	1
Residual VCM, PPM	ABGC-26	0.007
Inherent Viscosity	ABR-10	1.02
Mets IR (1201 formula), Mohm/1000 ft.		9291

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

Load Date: _____ Product: 5415 Car No.: _____

Time Logged In: _____ Logged In By: _____

Ship Date: 11 Jan 91 Silo(s): _____ Customer: Blue

844043-2

No Metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	[illegible]		[illegible]		.52	Resal 1-2-91 .44	.12	
Contamination	—	—	—	—	—	—	—	—
Bulk Density	.50[illegible]		.51[illegible]		.52[illegible]		.505	
BD wo/antistat								
Hard Particle	—	—	—	—	—	—	—	—
Viscosity	1.02[illegible]							
RVCM	.01[illegible]							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.09	9.85	15.40	14.85	5.57	3.03	0.7[illegible]
%	0.0	0.2	19.7	30.8	29.2	11.1	6.1	1.4

Drytime: _____ Static Flow: 6 / 7.0 Avg. Microns: _____

Color L: 100.11 a 0.16 b 1.32

METS: 4.2 / 17.1 %

Technician: [illegible]

6 / 6 [illegible]

VAB.0001194096

A

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 14 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers Product: **5415**
P.O.Box 430
Mansfield, MA 02048 Order No.: 844043-290

Attention: Mr. Gordon Snyder Railcar No.: UTCX-46456

Date of Shipment: 11 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.12
Bulk Density, GMXCC	ABR-2B	8
Brabender Dry time	ABR-7	0.73

Particle Size, % on — ABR-3

40	60	80	100	120	140	200	PAN
0.136	0.00	0.5	14.9	23.3	34.1	15.1	10.0

Hard Particles @7min	ABR-12	12
Residual VCM, PPM	ABGC-26	0.027
Inherent Viscosity	ABR-10	0.023
Mets IR (1201 formula), Mohm/1000 ft.		2.1

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 12-16-90 Product: 5395 Car No.: VIPX 45277

Time Logged In: 23:00 Logged In By: DJT.

Ship Date: 11 JAN. 91 Silo(s): 676, 685, 688 Customer: Blowe 860064-084

MOAI	0		0		0		0	
	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.06		.11		.06		.09	
Contamination	4/8		3/6		2/8		4/5	
Bulk Density	.561		.528		.560		.532	
BD w/antistat								
Hard Particle	2/1 TE							
Viscosity	.932							
RVCM	.050							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.19	9.86	13.67	14.20	6.76	4.20	1.01
%	0.0	0.4	19.7	27.3	28.7	13.5	8.4	2.0

Drytime: 4.9 Static Flow: 0 / 8.6 Avg. Microns: 151.1

Color L: 100.35 a -0.05 b 1.41

METS: 9291 / 132.2%

Technician: TE - JPS

VAB.0001194098

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 14 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5395**

Order No.: 860064-084

Attention: Mr. Gordon Snyder

Railcar No.: VIPX-45277

Date of Shipment: 11 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.11
Bulk Density, GM/CC	ABR-2A	0.545
Brabender Dry time	ABR-7	4.9

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.4	19.7	27.3	28.7	13.5	8.4	2.0

Hard Particles @ 7 mins.	ABR-12	1
Residual VCM, PPM	ABGC-26	0.050
Inherent Viscosity	ABR-10	0.93
Mets IR (1201 formula), Mohm/1000 ft.		9291

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

(A

PVC RAILCAR ANALYSIS

Load Date: 1-2-91 Product: 5415 Car No.: UTCX 46477

Time Logged In: 1500 Logged In By: TE

Ship Date: 15 Jan. 91 Silo(s): 690-691 Customer: Type I-Blane not Essex/SW

844043-291

No metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.06		.05		.06		.07	
Contamination	3/7	—	2/8	—	3/7	—	2/6	—
Bulk Density	.504		.520		.514		.510	
BD wo/antistat								
Hard Particle	7/4	—	—	—	—	—	—	—
Viscosity	1.016							
RVCM	.019							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.22	10.52	16.04	14.30	5.44	2.95	0.77
%	0.00	.4	21.0	32.1	28.2	10.9	5.9	1.5

Drytime: 52 Static Flow: 0 / 9.1 Avg. Microns: 156.

Color L: 100.65 a 0.11 b 1.37

METS: 9291 / 114.4 %

Technician: A.J. & R.H.

VAB.0001194100

A

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 16 Jan. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5415**

Order No.: 844043-291

Attention: Mr. Gordon Snyder Railcar No.: UTCX-46477

Date of Shipment: 15 Jan. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.07
Bulk Density, GM/CC	ABR-2B	0.512
Brabender Dry time	ABR-7	5.2

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	0.4	21.0	32.1	28.2	10.9	5.9	1.5

Hard Particles @7min	ABR-12	4
Residual VCM, PPM	ABGC-26	0.019
Inherent Viscosity	ABR-10	1.02
Mets IR (1201 formula), Mohm/1000 ft.		9291

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194101

Vista Polymers Highway 25 Aberdeen, MS 39730

Residual Moisture HIGH MOISTURE ON HOURLY CHECK WENT IN R/C (A

PVC RAILCAR ANALYSIS

Load Date: 12-14-90 Product: 5395 Car No.: 890188

Time Logged In: 1500 Logged In By: Co

Ship Date: _____ Silo(s): 688/676 Customer: Blane

NO METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.07		.17		.07		.05	
Contamination	2/5	—	1/4	—	2/5	—	2/6	—
Bulk Density	.536		.530		.530		.531	
BD w/antistat								
Hard Particle	4/2 R.P.	—	—	—	—	—	—	—
Viscosity	.933							
RVCM	.063							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.05	7.88	14.65	15.40	7.00	4.15	0.30
%	0.0	0.1	15.8	29.3	31.9	14.0	8.3	0.6

Drytime: 5.0 Static Flow: 0 / 10.9 Avg. Microns: 149.4

Color L: 100.50 a -0.02 b 1.52

METS: 8857 / 126.0 %

Technician: Pat + Ruth

VAB.0001194102

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

Load Date: 1-8-91 Product: 5395 Car No.: FPAX 890188

Time Logged In: 1500 Logged In By: T.T.

Ship Date: 12 Silo(s): _____ Customer: Blame 860064-085

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.21		.16		.25		.14	
Contamination	____	____	____	____	____	____	____	____
Bulk Density								
BD w/antistat								
Hard Particle	____	____	____	____	____	____	____	____
Viscosity								
RVCM								

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	____	____	____	____	____	____	____	____
%	____	____	____	____	____	____	____	____

Drytime: _____ Static Flow: ____/____ Avg. Microns: _____

Color L: _____ a _____ b _____

METS: _____/_____%

Technician: T.T.

VAB.0001194103

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 14 Feb. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5395**

Order No.: 860064-085

Attention: Mr. Gordon Snyder

Railcar No.: FPAX-890188

Date of Shipment: 12 Feb. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.17
Bulk Density, GM/CC	ABR-2A	0.532
Brabender Dry time	ABR-7	5.0

Particle Size, ABR-3

40	60	80	100	120	140	200	PAN
0.00	0.1	15.8	29.3	31.9	14.0	8.3	0.6

% on

Hard Particles @ 7 mins.	ABR-12	2
Residual VCM, PPM	ABGC-26	0.063
Inherent Viscosity	ABR-10	0.93
Mets IR (1201 formula), Mohm/1000 ft.		8857

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194104

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

UTCX 464123

Load Date: 2-1-91 Product: 5415 Car No.: 464123

Time Logged In: 0530 Logged In By: CO

Ship Date: 12 Silo(s): 690-691 Customer: Type I

844043-292 not Sw/Essex

No METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.06		.05		.06		.06	
Contamination	2/3	—	1/5	—	2/4	—	2/6	—
Bulk Density	.523		.519		.517		.516	
BD wo/antistat								
Hard Particle	7/2	—	—	—	—	—	—	—
Viscosity	1.015							
RVCM	.025							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.64	19.13	13.18	8.22	3.44	4.13	1.67
%	0.00	1.3	38.3	26.4	15.5	6.9	8.3	3.3

Drytime: 5.2 Static Flow: 0 / 9.8 Avg. Microns: 167.2

Color L: 100.51 a -0.05 b 1.42

METS: 9.300 / 121.1 %

Technician: A.J. R.H.

VAB.0001194105

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 14 Feb. 91 FAX No. 508-339-2851

Customer: Blane Polymers
P.O.Box 430
Mansfield, MA 02048

Product: **5415**

Order No.: 844043-292

Attention: Mr. Gordon Snyder

Railcar No.: UTCX-46423

Date of Shipment: 12 Feb. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.06
Bulk Density, GM/CC	ABR-2B	0.519
Brabender Dry time	ABR-7	5.2

Particle Size, ABR-3

	40	60	80	100	120	140	200	PAN
% on	0.00	1.3	38.3	26.4	15.5	6.9	8.3	3.3

Hard Particles @7min	ABR-12	2
Residual VCM, PPM	ABGC-26	0.025
Inherent Viscosity	ABR-10	1.02
Mets IR (1201 formula), Mohm/1000 ft.		9300

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

BF PERFORMANCE

Vista Polymers
A Division of
Vista Chemical Company

Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS VISTA

Date: 12/23/91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: **5415**

Attention: Marty Jones

Railcar No.: VIPX 45820

Ship Date: 12/20/91

Order No.: 0004298-000

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.10
Brabender Dry Time, Mins.	ABR-7	5.0
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.8
Pan		1.5
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.01

H.D. Lucas
Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 28 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

VIPX

Load Date: 12-13-91 Product: 5415 Car No.: 45820

Time Logged In: 0300 Logged In By: D.T.

Ship Date: 12/20/91 Silo(s): 690, 691 Customer: ~~Esso/Plume~~ BP

0004298-000

No metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.10		.06		.10		.06	
Contamination	7/16	T 16/9	7/8	T 12/12	10/5	T 11/13	10/8	T 8/9
Bulk Density	.488		.509		.483		.485	
BD wo/antistat								
Hard Particle	2/1 RP	—	—	—	—	—	—	—
Viscosity	1.011							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.0	1.30	23.67	12.92	6.42	2.89	1.90	.74
x P	0.0	2.6	47.3	25.8	13.2	5.8	3.8	1.5

Drytime: 50 Static Flow: 0 18.8 Avg. Microns: 180.7

Color L: 100.93 a -0.14 b 1.28

METS: 9300 / 117.4 x

Technician: M.T & DHL

VAB.0001194109

Vista Polymers
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Highway 25
Post Office Box 91

Aderdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: November 21, 1991

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: **5415**

Attention: Marty Jones

Railcar No.: ACFX 41152

Ship Date: November 20, 1991

Order No.: 0003718-000

Property	Test Method	Analysis
Moisture, %	ABR-1A	.03
Brabender Dry Time, Mins.	ABR-7	5.0
Particle Size Dist.	ABR-3	
40 Mesh		0.0
200 Mesh		5.6
Pan		1.7
Residual VCM, ppm	ABGC-26	.019
Inherent Viscosity	ABR-10	1.02

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

Load Date: 11-10-91 Product: 5415 Car No.: 41152

Time Logged In: 0200 Logged In By: MA BP

Ship Date: 11/20/91 Silo(s): 690, 691 Customer: ~~IPC~~ Essex 0003718-000

No METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.03		.02		.02		.02	
Contamination	7/4	T 10/9	4/6	T 10/8	3/6	T 10/7	5/5	T 6/6
Bulk Density	.500		.502		.498		.500	
BD wo/antistat								
Hard Particle	6/2	—	—	—	—	—	—	—
Viscosity	1.023							
RVCM	.019							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.15	17.00	15.75	9.34	4.40	2.81	0.85
%	0.0	0.3	34.0	31.5	18.1	8.8	5.6	1.7

Drytime: 5.0 Static Flow: 0 / 123 Avg. Microns: 165.7

Color L: 100.91 a -0.15 b 1.06

METS: 9620 / 119.0 %

Technician: D.T. + HDL

VAB.0001194111

Vista Polymers
A Division of
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Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: November 8, 1991

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: **5415**

Attention: Marty Jones

Railcar No.: ACFX 41179

Ship Date: November 5, 1991

Order No.: 0002825-002

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.03
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		4.2
Pan		1.2
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.03

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194112

Vista Polymers Highway 15 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 10-16-91 Product: 5415 Car No.: 41179

Time Logged In: 0500 Logged In By: M.T

Ship Date: 11/5/91 Silo(s): 690-691 Customer: ~~Jasy~~ BP 0002825-002

No metal

Offloaded for Truck reload 7/31/9

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.01		.02		.01		.01	
Contamination	1/17	3/19	3/10	2/15	3/14	3/17	12/31	8/26
Bulk Density	.497		.495		.498		.497	
BD wo/antistat								
Hard Particle	18/3	—	—	—	—	—	—	—
Viscosity	1.028							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.0	.75	19.31	15.42	8.32	3.51	2.09	.60
% P	0.0	1.5	38.6	30.8	16.7	7.0	4.2	1.2

Drytime: 4.9 Static Flow: 0 / 12.0 Avg. Microns: 173.0

Color L: 100.23 a: -0.14 b: 1.09

METS: 9147 / 115.5 %

Technician: M.T + JS

VAB.0001194113

Vista Polymers Highway 55 Aberdeen, MS 39730

4

reload

PVC RAILCAR ANALYSIS

Load Date: 10-31-91 Product: 5415 Car No.: 41179

Time Logged In: 1700 Logged In By: Co

Ship Date: _____ Silo(s): 6 90 Customer: _____

No Metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture					.03			
Contamination	—	—	—	—	2/16	T 5/12	—	—
Bulk Density					.487			
BD wo/antistat								
Hard Particle	—	—	—	—	5/2 RP	—	—	—
Viscosity					1.005			
% RVCM					.003			

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.56	18.78	13.94	8.83	4.01	2.83	0.84
%	0.0	1.1	37.6	27.9	18.0	8.0	5.7	1.7

Drytime: 5.0 Static Flow: 0 / 120 Avg. Microns: _____

Color L: 100.39 a -0.11 b 1.18

METS: _____ / _____ %

Technician: D.T. & J.S.

VAB.0001194114

Vista Polymers
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Vista Chemical Company

Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

A

CERTIFICATE OF ANALYSIS

VISTA

Date: November 12, 1991

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: **5415**

Attention: Marty Jones

Railcar No.: PLWX 44258

Ship Date: November 8, 1991

Order No.: 0002825-003

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.06
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		4.7
Pan		1.6
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.01

Amy E. Bagwell

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

4

PVC RAILCAR ANALYSIS

Load Date: 11-7-91 Product: 5415 Car No.: 44258

Time Logged In: _____ Logged In By: [illegible]

Ship Date: 11/8/91 Silo(s): 69 6 Customer: ~~Sw~~ BP

0002825-003

No Metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.03		.02		.06		.05	
Contamination	2/2	5/7	3/1	8/6	2/3	5/4	1/4	8/5
Bulk Density	.500		.498		.506		.501	
BD wo/antistat								
Hard Particle	19/8 MB	—	—	—	—	—	—	—
Viscosity	1.010							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.17	17.03	16.50	9.48	3.90	2.36	0.80
%	0.0	0.3	34.1	33.0	18.5	7.8	4.7	1.6

Drytime: 4.9 Static Flow: 0 / 12.1 Avg. Microns: 166.9

Color L: 100.85 a -0.17 b 1.01

METS: 9620 / 119.0 %

Technician: Co + ES

VAB.0001194116

Vista Polymers
A Division of
Vista Chemical Company

Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: November 6, 1991

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: **5415**

Attention: Marty Jones

Railcar No.: UTCX 46421

Ship Date: November 4, 1991

Order No.: 0002825-001

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.12
Brabender Dry Time, Mins.	ABR-7	5.0
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		5.9
Pan		1.8
Residual VCM, ppm	ABGC-26	0.020
Inherent Viscosity	ABR-10	1.01

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194117

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 11-2-91 Product: 5415 Car No.: 46421

Time Logged In: 1800 Logged In By: Co

Ship Date: 11/4/91 Silo(s): 69 - 691 Customer: ~~Essex~~ B Pinelay 0002825-001

No METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.12		.05		.06		.03	
Contamination	5/11	T 3/12	2/12	T 2/12	3/15	T 2/13	2/8	T 8/12
Bulk Density	.482		.484		.482		.480	
BD wo/antistat								
Hard Particle	3/1 RP.	—	—	—	—	—	—	—
Viscosity	1.007							
RVCM	.020							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.12	14.18	16.65	10.41	4.80	2.95	0.92
%	0.0	0.2	28.4	33.3	20.8	9.6	5.9	1.8

Drytime: 5.0 Static Flow: 0 / 10.6 Avg. Microns: 161.2

Color L: 100.38 a -0.04 b 1.13

METS: 9457 / 116.9 %

Technician: D.T.+J.S.

VAB.0001194118

Vista Polymers
A Division of
Vista Chemical Company

Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: October 21, 1991

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: **5415**

Attention: Marty Jones

Railcar No.: PLCX 42777

Date of Shipment: October 17, 1991

Order No.: 0002460-001

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.07
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		4.0
Pan		1.1
Residual VCM, ppm	ABGC-26	0.004
Inherent Viscosity	ABR-10	1.02

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194119

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 10-11-91 Product: 5415 Car No.: 42777

Time Logged In: 1630 Logged In By: M.T

Ship Date: 10/17/91 Silo(s): 690-691 Customer: BP [redacted]X

0002460-001

No metal

	A TE		CA TE		CB MT		B MT	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.06		.02		.05		.07	
Contamination	3/5	—	2/3	—	3/4	3/4	2/5	4/4
Bulk Density	.499		.496		.498		.493	
BD wo/antistat								
Hard Particle	35/6	—	—	—	—	—	—	—
Viscosity	1.019							
RVCM	.004							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.0	.84	21.48	14.30	7.32	3.22	2.00	.55
% P	0.0	1.7	43.0	28.6	15.2	6.4	4.0	1.1

Drytime: 4.9 Static Flow: 0 / 10.8 Avg. Microns: 176.5

Color L: 100.75 a -0.15 b 1.33

METS: 9469 / 122.2 %

Technician: M.T + RH

VAB.0001194120

Vista Polymers
A Division of
Vista Chemical Company

Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: October 16, 1991

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

FAX No. 209-651-2231

Product: 5415

Attention: Marty Jones

Railcar No.: VIPX 45873

Date of Shipment: October 11, 1991

Order No.: 0002460-000

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.18
Brabender Dry Time, Mins.	ABR-7	4.8
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.2
Pan		1.0
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.02

H.D. Lucas
Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194121

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

VIPX

Load Date: 10-10-91 Product: 5415 Car No.: 45873

Time Logged In: 1700 Logged In By: MTC

Ship Date: 10/11/91 Silo(s): 690-691 Customer: ~~[illegible]~~ BP

0002460-000

no metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.17		.14		.18		.15	
Contamination	2/5	7/4	3/5	9/11	2/5	6/9	1/4	2/12
Bulk Density	.509		.508		.510		.507	
BD wo/antistat								
Hard Particle	50/5 JS	—	—	—	—	—	—	—
Viscosity	1.019							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	1.33	23.19	13.50	6.91	2.81	1.61	0.52
%	0.0	2.7	46.4	27.0	14.1	5.6	3.2	1.0

Drytime: 4.8 Static Flow: 0 / 10.9 Avg. Microns: 181.4

Color L: 100.44 a 0.12 b 1.27

METS: 9620 / 24.1 %

Technician: C & ES

VAB.0001194122

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Highway 25
Post Office Box 91

Aberdeen, Mississippi 39730-0091
Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: October 11, 1991

FAX No. 209-651-2231

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: 5415

Attention: Marty Jones

Railcar No.: VIPX 45841

Date of Shipment: October 10, 1991

Order No.: 0002452-001

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.06
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.5
Pan		1.0
Residual VCM, ppm	ABGC-26	0.037
Inherent Viscosity	ABR-10	1.03

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 10-10-91 Product: 5415 Car No.: 45841

Time Logged In: 0600 Logged In By: Co

Ship Date: 10/10/91 Silo(s): 690-691 Customer: BP

0002452-001

no metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.06		.05		.06		.06	
Contamination	5/10	6/9	6/12	2/10	4/12	5/10	7/10	4/11
Bulk Density	.487		.493		.489		.495	
BD wo/antistat								
Hard Particle	50/18 m	—	—	—	—	—	—	—
Viscosity	1.025							
RVCM	.037							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.0	.68	21.85	14.27	7.68	3.11	1.73	.51
%	0.0	1.4	43.7	28.5	15.7	6.2	3.5	1.0

Drytime: 4.9 Static Flow: 0 N/F Avg. Microns: 176.8

Rec 0/13.3

Color L: 100.61 a -0.15 b [illegible]

METS: 96201124.1

Technician: MT + RH

VAB.0001194124

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Post Office Box 91

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Phone (601) 369-8111

CERTIFICATE OF ANALYSIS

VISTA

Date: October 11, 1991

FAX No. 209-651-2731

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: 5415

Attention: Marty Jones

Railcar No.: VIPX 45795

Date of Shipment: October 10, 1991

Order No.: 0002452-000

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.05
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.4
Pan		1.2
Residual VCM, ppm	ABGC-26	0.075
Inherent Viscosity	ABR-10	1.03

Amy E. Bagwell

Amy E. Bagwell
Laboratory Supervisor/Lead

Phone (601) 369-8111

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

Load Date: 10-10-91 Product: 5415 Car No.: 45795

Time Logged In: 0600 Logged In By: Co

Ship Date: 10/10/91 Silo(s): 690-691 Customer: BP

0002452-000

no metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.05		.02		.02		.01	
Contamination	6/8	5/5	7/5	6/5	4/9	4/7	5/8	4/6
Bulk Density	.492		.496		.502		.503	
BD wo/antistat								
Hard Particle	50 / 12 mi	—	—	—	—	—	—	—
Viscosity	1.025							
RVCM	.075							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.0	.86	21.62	14.27	7.55	3.14	1.71	.59
% P	0.0	1.7	43.2	28.5	15.7	6.3	3.4	1.2

Drytime: 4.9 Static Flow: 0 / 13.1 Avg. Microns: 176.9

Color L: 99.79 a -0.15 b 1.40

METS: 9620 / 124.1 %

Technician: MT & KH

VAB.0001194126

A

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 29 Aug. 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: **5415**

Railcar No.: PLWX-44281

Attention: Marty Jones

Order No.: 0001065-003

Date of Shipment: 26 Aug. 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.13
Brabender Dry Time, Mins.	ABR-7	5.1
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.1
Pan		1.1
Residual VCM, ppm	ABGC-26	0.004
Inherent Viscosity	ABR-10	1.02

Amy E. Bagwell

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194127

Vista Polymers Highway 25 Alberta

PVC RAILCAR ANALYSIS

Load Date: 8-25-91 Product: 5415 Car No.: 4128

Time Logged In: 1730 Logged In By: ES

Ship Date: 8/26/91 Silo(s): 690, 691 Customer: ~~Lonny~~ ~~Diane~~ BP 00001065-003

NO METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.08		.12		.13		.10	
Contamination TOPS 100 GRAMS	3/8	T 6/12	4/4	T 7/12	5/7	T 8/9	3/7	T 7/9
Bulk Density	.496		.513		.515		.512	
BD wo/antistat								
Hard Particle	2/1 R.P	—	—	—	—	—	—	—
Viscosity	1.023							
RVCM	.004							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	1.41	21.45	14.95	7.19	2.71	1.57	0.57
%	0.0	2.8	42.9	29.9	14.8	5.4	3.1	1.1

Drytime: 51 Static Flow: 0 / 8.0 Avg. Microns: 179.6

Color L: 100.84 a -0.03 b 1.11

METS: 9000 / 113.7 %

Technician: D.T. + HDL

VAB.0001194128

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Highway 25
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Phone (601) 369-8111

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Vista Polymers Highway 25
P.O.Box 91 Aberdeen, MS 39730

CERTIFICATE OF ANALYSIS

VISTA

Date: 29 Aug. 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Attention: Marty Jones

Date of Shipment: 26 Aug. 91

Product: **5415**

Railcar No.: ACFX-41152

Order No.: 0001065-002

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.19
Brabender Dry Time, Mins.	ABR-7	5.0
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.0
Pan		1.4
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.03

Amy E. Bagwell

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194129

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

Load Date: 8-21-91 Product: 5415 Car No.: 4115

Time Logged In: 15:30 Logged In By: [illegible]

Ship Date: 8/26/91 Silo(s): 6 90+91 Customer: ~~[illegible]~~ BP

0001065-002

No Metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.12		.14		.19		.19	
Contamination	1/5	2/7	2/5	3/6	2/7	3/5	2/6	3/8
Bulk Density	.521		.519		.522		.523	
BD wo/antistat								
Hard Particle	2/155	—	—	—	—	—	—	—
Viscosity	1.028							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	0.84	17.73	16.65	9.27	3.48	1.52	0.69
%	0.0	1.7	35.5	33.3	18.1	7.0	3.0	1.4

Drytime: 5.0 Static Flow: 0 18.9 Avg. Microns: 172

Color L: 100.59 a 0.14 b 1.56

METS: 9620, 119.0%

Technician: ES + JS

VAB.0001194130

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Vista Polymers

Highway 25
P.O.Box 91

Aberdeen, MS 39730

CERTIFICATE OF ANALYSIS

Date: 8/12/91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: 5415

Railcar No.: VIPX-45820

Attention: Marty Jones

Order No.: 0001065-001

Date of Shipment: 8/8/91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.29
Brabender Dry Time, Mins.	ABR-7	5.1
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.8
Pan		1.4
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.02

H.D. Lucas

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194131

Vista Polymers Highway 25 Aberdeen, MS 39730

PVC RAILCAR ANALYSIS

A

Load Date: 8-7-91 Product: 5415 Car No.: VIPX 45820

Time Logged In: 16:30 Logged In By: D.T.

Ship Date: 8/8/91 Silo(s): 690 + 691 Customer: BP Polymers 0001065-001

no metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.07		.28		.29		.28	
Contamination	3/8	2/6	4/6	3/7	2/7	2/8	3/8	4/7
Bulk Density	.499		.498		.505		.498	
BD wo/antistat								
Hard Particle	.2/200	—	—	—	—	—	—	—
Viscosity	1.023							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	2.20	23.46	12.99	6.33	2.82	1.89	0.69
%	0.00	4.4	46.9	26.0	11.9	5.6	3.8	1.4

Drytime: 5.1 Static Flow: 0 / 8.7 Avg. Microns: 1842

Color L: 100.94 a -0.08 b .99

METS: 9,457 / 116.9 x

Technician: M.T + RH

VAB.0001194132

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 8/12/91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: **5415**

Railcar No.: UTCX-46425

Attention: Marty Jones

Order No.: 0001065-000

Date of Shipment: 8/8/91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.11
Brabender Dry Time, Mins.	ABR-7	5.1
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.1
Pan		1.4
Residual VCM, ppm	ABGC-26	0.002
Inherent Viscosity	ABR-10	1.01

H.D. Lucas

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194133

Vista Polymers Highway 25 Aberdeen, MS 39730

4

PVC RAILCAR ANALYSIS

UTCX

Load Date: 8/6/91 Product: 5415 Car No.: 46425

Time Logged In: 1200 Logged In By: [illegible]

Ship Date: 8/8/91 Silo(s): 690/691 Customer: ~~[illegible]~~ BP

0001065 000

no Metal

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.04		.07		.11		.06	
Contamination	3/6	—	1/8	4/5	3/8	2/5	3/6	2/5
Bulk Density	.489		.491		.497		.500	
BD wo/antistat								
Hard Particle	4/2 DCL	—	—	—	—	—	—	—
Viscosity	1.012							
RVCM	.002							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.0	2.78	23.99	12.14	5.90	2.62	1.57	0.7
% P	0.0	5.6	48.0	24.3	12.4	5.2	3.1	1.4

Drytime: 5.1 Static Flow: 0 / 8.6 Avg. Microns: 187.4

Color L: 100.93 a -0.06 b 1.04

METS: 9,789 / 121.1 %

Technician: M.T + RH

VAB.0001194134

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Phone (601) 369-8111

4

Vista Polymers Highway 25 P.O.Box 91 Aberdeen, MS 39730

CERTIFICATE OF ANALYSIS

VISTA

Date: 19 June 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Attention: Marty Jones

Date of Shipment: 7 June 91

Product: **5415**

Railcar No.: UTCX-46497

Order No.: 0000103-000

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.11
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		2.6
Pan		1.4
Residual VCM, ppm	ABGC-26	0.013
Inherent Viscosity	ABR-10	1.03

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

(A

PVC RAILCAR ANALYSIS

UTEX

Load Date: 6-7-91 Product: 5415 Car No.: 46497

Time Logged In: 2230 Logged In By: Co

Ship Date: 7 June 91 Silo(s): 690-691 Customer: BP Polymers

0000103-000 Visalia, Ca.

No METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.07		.06		.11		.10	
Contamination	2/4	3/3	2/5	1/6	2/3	1/5	2/5	3/5
Bulk Density	.496		.490		.499		.506	
BD wo/antistat								
Hard Particle	28/4 DCH	—	—	—	—	—	—	—
Viscosity	1.027							
RVCM	.013							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	1.15	23.82	14.06	6.60	2.63	1.32	0.71
%	0.00	2.3	47.6	28.1	12.7	5.3	2.6	1.4

Drytime: 4.9 Static Flow: 0 / 8.6 Avg. Microns: 181.7

Color L: 100.50 a -0.09 b 1.46

METS: 8.842 / 110.3 %

Technician: MT + RJ

VAB.0001194136

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

4

CERTIFICATE OF ANALYSIS

Date: 22 May 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: **5415**

Railcar No.: VIPX-45720

Attention: Marty Jones

Order No.: 844050-071

Date of Shipment: 20 May 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.13
Brabender Dry Time, Mins.	ABR-7	4.9
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		3.8
Pan		1.3
Residual VCM, ppm	ABGC-26	0.001
Inherent Viscosity	ABR-10	1.03

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194137

Vista Polymers Highway 25 Aberdeen, MS 39730

(A)

PVC RAILCAR ANALYSIS

Load Date: 5-19-91 Product: 5415 Car No.: VIPX 45720

Time Logged In: 05:00 Logged In By: P.T.

Ship Date: 20 May 91 Silo(s): 690 + 691 Customer: BP Chem. 071

no metal

	A tops		CA tops		CB tops		B tops	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.13		.12		.11		.10	
Contamination	4/16	7/15	9/28	8/12	6/17	5/12	6/16	4/10
Bulk Density	.520		.518		.516		.519	
BD wo/antistat								
Hard Particle	8/1 HA	—	—	—	—	—	—	—
Viscosity	1.029							
RVCM	.001							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	2.41	24.92	11.37	6.03	2.71	1.90	.64
%	0.0	4.8	49.8	22.7	12.2	5.4	3.8	1.3

Drytime: 4.9 Static Flow: 0 17.6 Avg. Microns: 186.5

Color L: 99.67 a -.07 b 1.28

METS: 9.136 / 115.0%

Technician: MA YTE

VAB.0001194138

CERTIFICATE OF ANALYSIS

Date: 22 May 91

Fax No. 209-651-2231

Customer: B. P. Performance
7227 Doe Ave.
Visalia CA 93291

Product: 5415

Order No.: 844050-071

Attention: Marty Jones

Railcar No.: VIPX-45720

Date of Shipment: 20 May 91

Property	Test Method	Analysis	
Moisture, %	ABR-1A	0.13	*1*
Bulk Density, gm/cc	ABR-2B	0.518	6
Brabender Dry Time, Mins.	ABR-7	4.9	14
Particle Size Dist.	ABR-3		
40 Mesh		0.00	18
200 Mesh		3.8	24
Pan		1.3	25
Residual VCM, ppm	ABGC-26	0.001	17
Inherent Viscosity	ABR-10	1.03	16

Billy P. Sizemore

Laboratory Supervisor/Lead

VAB.0001194139

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

4

CERTIFICATE OF ANALYSIS

Date: 22 May 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: **5415**

Railcar No.: ACFX-41162

Attention: Marty Jones

Order No.: 844050-069

Date of Shipment: 20 May 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	0.21
Brabender Dry Time, Mins.	ABR-7	5.1
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		4.0
Pan		1.3
Residual VCM, ppm	ABGC-26	0.019
Inherent Viscosity	ABR-10	1.01

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194140

Vista Polymers Highway 25 Aberdeen, MS 39730

A

PVC RAILCAR ANALYSIS

ACFX

Load Date: 5-19-91 Product: 5415 Car No.: 41162

Time Logged In: 1015 Logged In By: Co

Ship Date: 20 May 91 Silo(s): 690-691 Customer: BP Polymers 69

NO METAL

	A		CA		CB		B	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Moisture	.11		.11		.21		.12	
Contamination TOPS 100 GRAMS	5/10	T5/10	6/16	T5/9	4/7	T6/10	5/7	T7/14
Bulk Density	.518		.570		.521		.578	
BD wo/antistat								
Hard Particle	14/10 R.P.	—	—	—	—	—	—	—
Viscosity	1.014							
RVCM	.019							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	1.53	24.00	12.34	6.84	2.87	2.00	0.65
%	0.0	3.1	48.0	24.7	13.2	5.7	4.0	1.3

Drytime: 5.1 Static Flow: 0 / 8.7 Avg. Microns: 1821

Color L: 100.61 a -0.08 b 1.35

METS: 9.136 / 115.0 %

Technician: P.T. + KPL

VAB.0001194141

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 22 May 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: 5415

Railcar No.: ACFX-41162

Attention: Marty Jones

Order No.: 844050-069

Date of Shipment: 20 May 91

Property	Test Method	Analysis
Inherent Viscosity	ABR-10B	1.01
Bulk Density, gm/cc	ABR-2B	0.517
Moisture, %	ABR-1A	0.21
Brabender Dry Time, Mins.	ABR-7	5.1
Particle Size Dist.	ABR-3	
40 Mesh		0.00
200 Mesh		4.0
Pan		1.3
Residual VCM, ppm	ABGC-26	0.019
Inherent Viscosity	ABR-10	1.01

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194142

A

Vista Polymers Highway 25 Aberdeen, MS 39730
P.O.Box 91

CERTIFICATE OF ANALYSIS

Date: 22 May 91

Customer: B. P. Performance
7227 Doe Ave.
Visalia, CA 93291

Product: 5415

Railcar No.: ACFX-41153

Attention: Marty Jones

Order No.: 844050-070

Date of Shipment: 20 May 91

Property	Test Method	Analysis
Moisture, %	ABR-1A	.12
Brabender Dry Time, Mins.	ABR-7	5.1
Particle Size Dist.	ABR-3	
40 Mesh		0.0
200 Mesh		4.9
Pan		1.4
Residual VCM, ppm	ABGC-26	.021
Inherent Viscosity	ABR-10	1.03

Billy P. Sizemore

Laboratory Supervisor/Lead

Phone (601) 369-8111

VAB.0001194143

Vista Polymers Highway 25 Aberdeen, MS 397

PVC RAILCAR ANALYSIS

Load Date: 9-19-91 Product: 5415 Car No.: ACFX 41153

Time Logged In: 1650 Logged In By: ES

Ship Date: 20 May 91 Silo(s): 690 + 691 Customer: B.F. Perf 844050-070

No metal

	A		CA		CB		B	
	1st	2nd Top	1st	2nd Top	1st	2nd Top	1st	2nd
Moisture	.11		.09		.12		.10	
Contamination	10/28	9/21	4/10	5/37	3/7	4/47	10/68	15/51
Bulk Density	.528		.524		.526		.521	
BD wo/antistat								
Hard Particle	5/24*	—	—	—	—	—	—	—
Viscosity	1.028							
RVCM	.021							

Screen Analysis

Mesh	40	60	80	100	120	140	200	Pan
Weight	0.00	2.16	21.23	12.42	7.60	3.65	2.43	.69
%	0.0	4.3	42.5	24.8	14.8	7.3	4.9	1.4

Drytime: 5.1 Static Flow: 0 / 8.6 Avg. Microns: 179.4

Color L: 100.30 a -.02 b 1.46

METS: 9.136 / 115.0%

Technician: MJ + TE

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