Aggregate Optimization Chart

Production Gradation Report

PLANT #: P-101 Contractor:

Sample Date: 11/8/21 DM Concrete Grade: Dates Test Represents: 11/9/2021 11/15/2021 MDOT No.: through

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1560	9.54	2.62	53.6
26A	71-47	Presque Isle	200	1.22	2.62	6.9
2NS	75-051	Mid-Michigan	1150	6.93	2.66	39.5
	-	Total Wt	2910	17.69		100.0



Superior Materials, LLC
30701 W. 10 Mile Rd.
Suite 500
Farmington Hills, MI 48336

	Total Wt	2910	17.69		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100	0.0	100.0	100.0	0.0	0.0
1.5"	100.0	100	0.0	100.0	100.0	0.0	0.0
1"	97.7	100	0.0	100.0	98.8	1.2	1.2
3/4"	88.2	100	0.0	100.0	93.7	5.1	6.3
1/2"	50.6	95	5.9	100.0	73.2	20.4	26.8
3/8"	31.6	81	.5	100.0	62.1	11.2	37.9
#4	5.5	11	.6	99.0	42.9	19.2	57.1
#8	2.5	2.	.2	82.3	34.0	8.9	66.0
#16	2.1	1.	.3	65.4	27.1	7.0	72.9
#30	2.0	1.	.2	48.8	20.4	6.6	79.6
#50	1.9	1.	.1	24.8	10.9	9.5	89.1
#100	1.8	1.	.1	6.8	3.7	7.2	96.3
LBW	1.7	0.	.9	0.9	1.3	2.4	98.7

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation (Batch Plant Grad	ations Aggregate Supplier Grade	ations	Adjusted WF	Initial Produc	tion Sample (IP	S)
Coarseness Factor:	57	Workability Factor:	34	36.5	Coars	seness Factor:	
45					Worl	kability Factor:	
45, 44			JMF Zone	$\neg \mid \blacksquare$	Sieve	Cumulative	
1 1 1			JIVII ZOIIC	-	Sieve	% Passing	F
	52, 41	—		- 11	2"	100.0	
3 40 1	5	57, 39 68, 38	75, 39	- 11	1.5"	100.0	
		00, 30		- 11	1"	100.0	Ī
b		Production Gradation		- 11	3/4"	95.0	
35]		i iPS		- 11	1/2"	70.5	Ī
1 · 1 / · •	52, 34	-!		- 11	3/8"	60.0	
45, 33				- 11	#4	44.4	
這 30]	5	67 ₆ 3,1 ₃₁		- 11	#8	35.5	
Operating Zone Boundary	1			- 11	#16	28.5	
Boundary			75, 28	- 11	#30	21.5	
≥ ₂₅	J				#50	10.2	
40 45	50 55	5 60 65 70	75	80	#100	3.1	
ActionLimits Boundary =		Coarseness Factor (%)	73	00	LBW	1.3	Т

Work	ability Factor:	35	
Sieve	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	100.0	0.0	0.0
3/4"	95.0	5.0	5.0
1/2"	70.5	24.5	29.5
3/8"	60.0	10.5	40.0
#4	44.4	15.6	55.6
#8	35.5	9.0	64.5
#16	28.5	7.0	71.5
#30	21.5	7.0	78.5
#50	10.2	11.3	89.8
#100	3.1	7.1	96.9
LBW	1.3	1.8	98.7

62

PLANT #: P-102

Sample Date:

11/8/21 DM Concrete Grade:

Contractor:

Jates Test F	represents:	11/9/2021	through	11/15/2021		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1500	8.94	2.69	50.8
26A	58-003	Stoneco	305	1.82	2.69	10.3
2NS	63-114	Highland	1150	6.95	2.65	38.9

MDOT No.:

<---- Verify this number is 100%

Coarseness Factor:

SUPERIOR MATERIALS

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500

Farmington Hills, MI 48336

	Total Wt	2955	17.71		100.0	< Verify this n	umber is 100%	_
Sieve	6AA	26	6 A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	100.0	10	0.0	100.0	100.0	0.0	0.0	
1.5"	100.0	10	0.0	100.0	100.0	0.0	0.0	
1"	98.9	10	0.0	100.0	99.4	0.6	0.6	
3/4"	80.8	10	0.0	100.0	90.3	9.2	9.7	
1/2"	44.6	99.6		100.0	71.8	18.4	28.2	
3/8"	23.7	85	5.3	100.0	59.8	12.1	40.2	
#4	3.8	1().8	99.7	41.8	17.9	58.2	
#8	1.6	2	.3	87.7	35.2	6.7	64.8	n
#16	1.1	1	.3	69.1	27.6	7.6	72.4	
#30	0.9	1	1.1		19.3	8.3	80.7	n
#50	0.8	1	.0	17.8	7.4	11.9	92.6	
#100	0.7	0	.9	2.8	1.5	5.9	98.5	а
LBW	0.7	0	.6	0.6	0.7	0.9	99.3	
Production G	radation O Batch Plant Grad	ations	regate Supplier G	radations	Adjusted WF	Intial Production	on Sample (IPS	3)

37.7

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

Coarseness Factor:	62	Workability Factor:	35	
45 45, 44 45, 44 45, 33 Operating Zone Boundary	52, 34	40 67 40 Production Gradation 60,138	75, 28	
25 40 45 ActionLimits Boundary =	50 55	Coarseness Factor (%) ⁷⁰	75	80

Work	ability Factor:	36	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	99.3	0.7	0.7
3/4"	89.2	10.1	10.8
1/2"	70.7	18.5	29.3
3/8"	60.7	10.0	39.3
#4	44.4	16.3	55.6
#8	35.9	8.5	64.1
#16	27.3	8.6	72.7
#30	19.1	8.2	80.9
#50	7.4	11.7	92.6
#100	1.9	5.6	98.1
LBW	0.7	1.2	99.3

61

PREPARED BY: SM, LLC Technical Service

Aggregate Optimization Chart

Batch Plant Gradations

11/8/21

11/9/2021

PLANT #: P-32

Sample Date:

Dates Test Represents:

Production Gradation

DM Concrete Grade:

11/15/2021

Contractor:

MDOT No.:

Adjusted WF Intial Production Sample (IPS)

36.6

Coarseness Factor:

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1455	8.90	2.62	50.1
26A	71-47	Presque Isle	300	1.83	2.62	10.3
2NS	95-013	Smelter Bay	1150	6.95	2.65	39.6
		Total Wt	2905	17.69		100.0

through

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

-	Total Wt	2905	17.69		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	10	0.0	100.0	100.0	0.0	0.0
1.5"	100.0	10	0.0	100.0	100.0	0.0	0.0
1"	98.5	10	0.0	100.0	99.2	0.8	0.8
3/4"	77.7	100.0		100.0	88.8	10.4	11.2
1/2"	36.5	97.0		100.0	67.9	20.9	32.1
3/8"	23.4	86	6.6	100.0	60.3	7.6	39.7
#4	4.7	25	5.2	95.0	42.6	17.7	57.4
#8	2.2	7	.1	81.4	34.1	8.5	65.9
#16	1.8	3	.5	65.3	27.1	6.9	72.9
#30	1.7	2	.6	48.0	20.1	7.0	79.9
#50	1.6	2	.3	23.3	10.3	9.9	89.7
#100	1.5	2	.1	6.6	3.6	6.7	96.4
LBW	1.0	1	.7	0.3	0.8	2.8	99.2

Aggregate Supplier Gradations

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

Coarseness Factor:	60	Workability Factor:	34	
45 45, 44 45, 33 Operating Zone Boundary	52, 34	66, 40 67, 40 68, 38 68, 38 68, 38 68, 38 68, 38 68, 38	75, 39	
25 40 45 ActionLimits Boundary =	50 5	⁵ Coarseness Factor (%) ⁷⁰	75	80

Work	Workability Factor:		
Sieve	Sieve Cumulative % Passing		Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	100.0	0.0	0.0
3/4"	95.0	5.0	5.0
1/2"	72.3	22.8	27.7
3/8"	60.4	11.8	39.6
#4	42.6	17.8	57.4
#8	36.0	6.6	64.0
#16	29.5	6.5	70.5
#30	20.3	9.2	79.7
#50	9.5	10.8	90.5
#100	3.4	6.1	96.6
LBW	1.3	2.1	98.7

62

PREPARED BY: SM, LLC Technical Service

2NS

54.4

21.3

3.2

PLANT #: P-35

6AA

0.9

0.8

0.7

0.7

Batch Plant Gradations

Sample Date:

Sieve

#30

#50

#100

LBW

Production Gradation

Dates Test Represents:

11/8/21 DM Concrete Grade: 11/9/2021 11/15/2021

% Retained

6.8

12.4

6.8

0.9

Adjusted WF Intial Production Sample (IPS)

Cumulative

% Passing

20.8

8.5

1.7

0.8

36.0

Contractor:

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1555	9.26	2.69	52.6
26A	58-003	Stoneco	300	1.79	2.69	10.2
2NS	81-093	Burmeister	1100	6.65	2.65	37.2
		Total Wt	2955	17.70		100.0

26A

1.1

1.0

0.9

0.6

Aggregate Supplier Gradations

through

MDOT No.:

Cumulative

% Retained

79.2

91.5

98.3

99.2

Coarseness Factor:

---- Verify this number is 100%

SUPER	

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500

Farmington Hills, MI 48336

				1			
2"	100.0	100.0	100.0	100.0	0.0	0.0	
1.5"	100.0	100.0	100.0	100.0	0.0	0.0	
1"	98.9	100.0	100.0	99.4	0.6	0.6	
3/4"	80.8	100.0	100.0	89.9	9.5	10.1	
1/2"	44.6	99.6	100.0	70.8	19.1	29.2	
3/8"	23.7	85.3	100.0	58.4	12.4	41.6	*
#4	3.8	10.8	99.0	39.9	18.4	60.1	*
#8	1.6	2.3	87.0	33.5	6.5	66.5	no
#16	1.1	1.3	72.3	27.6	5.8	72.4	*

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

Coarseness Factor:	63	Workability Factor:	33	
45 45, 44 45, 44 45, 33 Operating Zone Boundary	52, 41 56, 52, 34	68, 38 60, 36 Production Gradation	75, 39	
40 45 ActionLimits Boundary =	50 55	Coarseness Factor (%)	75	80

Workability Factor:		36	
Sieve	Sieve Cumulative % Passing		Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	99.3	0.7	0.7
3/4"	89.1	10.2	10.9
1/2"	70.5	18.6	29.5
3/8"	60.5	10.0	39.5
#4	44.1	16.4	55.9
#8	35.6	8.5	64.4
#16	27.7	7.9	72.3
#30	20.6	7.1	79.4
#50	8.7	11.8	91.3
#100	1.6	7.1	98.4
LBW	1.1	0.6	98.9

PREPARED BY: SM, LLC Technical Service

Aggregate Optimization Chart

11/8/21

11/9/2021

1.8

1.8

50

55

PLANT #: P-36

Sample Date:

#30

#50

25

Dates Test Represents:

DM Concrete Grade:

51.8

26.0

75

80

Contractor:

Cumulative

79.2

89.0

MDOT No.:

6.5

9.8

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1455	8.90	2.62	50.1
26A	71-47	Presque Isle	350	2.14	2.62	12.0
2NS	63-92	Grange Hall	1100	6.65	2.65	37.9
		Total Wt	2905	17 69		100.0

through

Cumulative

20.8

11.0

--- Verify this number is 100%

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

Sieve	6AA	26A	2NS	% Passing	% Retained	% Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	98.1	100.0	100.0	99.0	1.0	1.0
3/4"	70.6	100.0	100.0	85.3	13.8	14.7
1/2"	34.4	97.0	100.0	66.8	18.5	33.2
3/8"	15.2	86.6	100.0	55.9	10.9	44.1
#4	3.5	25.2	97.1	41.6	14.4	58.4
#8	2.2	7.1	83.0	33.4	8.2	66.6
#16	2.0	3.5	68.5	27.4	6.0	72.6

11/15/2021

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

63

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

#100	1.6	6	2.1	4.0	2.6	8.5	97.4	а
LBW	1.2	2	1.7	0.3	0.9	1.6	99.1	ı
Production Gra	adation O	Batch Plant Gradat	tions	tions	Adjusted WF	Intial Production	on Sample (IPS	5)
Coarsenes	s Factor:	66	Workability Factor:	33	35.9	Coars	eness Factor:	
						Work	ability Factor:	
45 45,	44			JMF Zone	$\sqcap I$	Sieve	Cumulative	Г
-		52, 41			-	2"	% Passing 100.0	H
→ 40 +		5	50, 39	75, 39	- 11	1.5"	100.0	Γ
3 1			68, 38	7	- 11	1"	99.1	
Factor 35			- 60.36 - Dallastina	S	- 11	3/4"	90.3	
호 ₃₅]			■ 60, 36 IPS Production (Fradation	- 11	1/2"	69.2	
E 1	→	52, 34	_ i		- 11	3/8"	59.1	
→ 1 /	45, 33		i i		- 11	#4	41.8	Ī
		5	8, 31		- 11	#8	35.1	Г
g 30 † []	perating Zone	J.	68,31			#16	28.5	
₹	Boundary			75, 28		#30	21.2	Γ
Workability 30 of	,			75, 20		#50	8.7	
								_

2.6

2.3

Coarseness Factor (%) 70

Workability Factor:		35	
Sieve	Sieve Cumulative % Passing		Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	99.1	0.9	0.9
3/4"	90.3	8.8	9.7
1/2"	69.2	21.1	30.8
3/8"	59.1	10.1	40.9
#4	41.8	17.3	58.2
#8	35.1	6.6	64.9
#16	28.5	6.6	71.5
#30	21.2	7.3	78.8
#50	8.7	12.5	91.3
#100	1.8	7.0	98.2
LBW	0.7	1.0	99.3

PREPARED BY: SM, LLC Technical Service

45

ActionLimits Boundary = - - - - -

Approved By:

PLANT #: P-39 Contractor:

Sample Date: 11/8/21 DM Concrete Grade: Dates Test Represents: 11/9/2021 through 11/15/2021 MDOT No.:

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1705	10.43	2.62	58.7
26A	71-47	Presque Isle	100	0.61	2.62	3.4
2NS	44-051	Krake Willis Rd	1100	6.65	2.65	37.9
	_	Total Wt	2905	17.69		100.0

26A

1.1

1.1

0.9

Cumulative

% Retained

89.2

96.0

98.5

---- Verify this number is 100%

% Retained

8.8

6.7

2.6

Cumulative

% Passing

10.8

4.0

1.5

SUPERIO	PR

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

				_			
2"	100.0	100.0	100.0	100.0	0.0	0.0	
1.5"	100.0	100.0	100.0	100.0	0.0	0.0	
1"	97.7	100.0	100.0	98.7	1.3	1.3	
3/4"	88.2	100.0	100.0	93.1	5.6	6.9	
1/2"	50.6	95.9	100.0	70.9	22.2	29.1	
3/8"	31.6	81.5	100.0	59.2	11.6	40.8	*
#4	5.5	11.6	96.8	40.3	18.9	59.7	*
#8	2.5	2.2	80.1	31.9	8.4	68.1	no
#16	2.1	1.3	64.5	25.7	6.2	74.3	*
#30	2.0	1.2	48.5	19.6	6.1	80.4	no

2NS

25.4

7.8

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

63

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation	Batch Plant Grad	ations		Adjusted WF	Intial Production	on Sample (IPS))
Coarseness Factor:	60	Workability Factor:	32	34.4	Coars	eness Factor:	
45					Work	ability Factor:	
45, 44			JMF Zone	7] [Sieve	Cumulative	_
] 10,44			51111 20110	-	Sieve	% Passing	F
1 . 1	52, 41			- 11	2"	100.0	
(a) 40 f		58, 40	75, 39	- 11	1.5"	100.0	
&		68, 38	Ĭ	- 11	1"	100.0	
Factor (%)		■ 60, 36 IPS		- 11	3/4"	89.7	
5 35 -		Production Gradation		- 11	1/2"	70.3	
1 /	52, 34	Production Gradation		- 11	3/8"	59.1	
45, 33				- 11	#4	42.8	
30 1		58, 32 68,832		- 11	#8	35.5	
Atjust 30 45, 33 Operating Zong Boundary	e			- 11	#16	29.0	
Boundary			75, 28	- 11	#30	21.2	
					#50	9.8	
25 +	50 55		75		#100	3.7	
40 45	50 55	Coarseness Factor (%) ⁷⁰	75	80	LBW	1.2	
11							

Work	Workability Factor:		
Sieve	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	100.0	0.0	0.0
3/4"	89.7	10.3	10.3
1/2"	70.3	19.4	29.7
3/8"	59.1	11.2	40.9
#4	42.8	16.3	57.2
#8	35.5	7.3	64.5
#16	29.0	6.5	71.0
#30	21.2	7.7	78.8
#50	9.8	11.5	90.2
#100	3.7	6.1	96.3
LBW	1.2	2.5	98.8

PREPARED BY: SM, LLC Technical Service

ActionLimits Boundary = - -

6AA

1.9

1.8

1.7

Sieve

#50

#100

LBW

PLANT #: P-O2 Contractor:

Sample Date: 11/8/21 Concrete Grade: DM

Dates Test Represents: 11/9/2021 through 11/15/2021

Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1505	9.21	2.62	51.8
26A	71-47	Presque Isle	300	1.83	2.62	10.3
2NS	63-115	Ray Rd	1100	6.65	2.65	37.9
		Total Wt	2905	17.69		100.0

---- Verify this number is 100%

Adjusted WF Intial Production Sample (IPS)

Coarseness Factor:

34.1

Superior Materials, LLC
30701 W. 10 Mile Rd.
Suite 500
Farmington Hills, MI 48336

						ube. 16 16676
Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	98.1	100.0	100.0	99.0	1.0	1.0
3/4"	70.6	100.0	100.0	84.8	14.2	15.2
1/2"	34.4	97.0	100.0	65.7	19.1	34.3
3/8"	15.2	86.6	100.0	54.7	11.0	45.3
#4	3.5	25.2	95.8	40.7	14.0	59.3
#8	2.2	7.1	78.4	31.6	9.1	68.4
#16	2.0	3.5	62.3	25.0	6.6	75.0
#30	1.8	2.6	46.2	18.7	6.3	81.3
#50	1.8	2.3	26.2	11.1	7.6	88.9
#100	1.6	2.1	6.8	3.6	7.5	96.4
LBW	1.2	1.7	1.0	1.2	2.4	98.8

Aggregate SupplierGradations

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

 $^{*}\%$ Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.

Coarseness Factor:	66	Workability Factor:	32	
45 45, 44 45, 44 45, 33 Operating Zone Boundary	52, 41	58, 39 60, 36 IPS Poduction 58, 31 68, 39 68, 39 68, 39	75, 39	
40 45 ActionLimits Boundary =	50 55	Coarseness Factor (%) ⁷⁰	75	80

Batch Plant Gradations

Production Gradation

Workability Factor:		35	
Sieve	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	100.0	0.0	0.0
3/4"	95.1	4.9	4.9
1/2"	74.6	20.5	25.4
3/8"	59.3	15.3	40.7
#4	42.1	17.2	57.9
#8	35.1	7.1	64.9
#16	29.2	5.9	70.8
#30	21.9	7.3	78.1
#50	9.6	12.4	90.4
#100	2.4	7.2	97.6
LBW	0.9	1.5	99.1

PREPARED BY: SM, LLC Technical Service Approved By