



3348 Route 208, Campbell Hall, NY 10916

Phone: 845-496-1600 Fax: 845-496-1398

877 US-4 E, Schuylerville, NY 12871

42 Day Farm Road, West Stockbridge, MA 01266

1813 State Route 7, Harpursville, NY 13787

Client:	Aden Aggregates	Project:	Bloomingburg Quarry 2026
Item:	Mason Sand	Project Number:	260102
Source:	Bloomingburg Quarry	Lab Number:	26-0293B
Date Sampled:	3/26/2026	Sampled By:	Client
Date Tested:	3/31/2026	Tested By:	Michael Flaherty

GRADATION (SIEVE ANALYSIS) OF SOIL OR AGGREGATE
Test Method(s): ASTM D422, C136, C117; AASHTO T88, T27, T11

Lab Number	Sample Type	Sampling Location	Specification
26-0293B	Mason Sand	Stockpile	No Specification

Sieve Size		% Retained	% Passing	Spec. % Pass
mm	Inches			
25.0 mm	1"	0.0	100	
12.5 mm	1/2"	0.0	100	
9.5 mm	3/8"	0.0	100	
4.75 mm	#4	0.1	100	
2.36 mm	#8	0.1	100	
1.18 mm	#16	6.1	94	
0.600 mm	#30	9.8	84	
0.300 mm	#50	27.2	57	
0.150 mm	#100	38.6	18	
0.075 mm	#200	15.6	2.5	
Pan		2.5		

Comments:

Minus #200 by wash-sieve method.

Emily J. Rodriguez

Report Reviewed By:

The simple acceptance/rejection decision rule is utilized to determine in-tolerance and out of tolerance or pass/fail conditions and no measurement of uncertainty is applied in this determination.

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The results in this report relate only to the items inspected or tested.

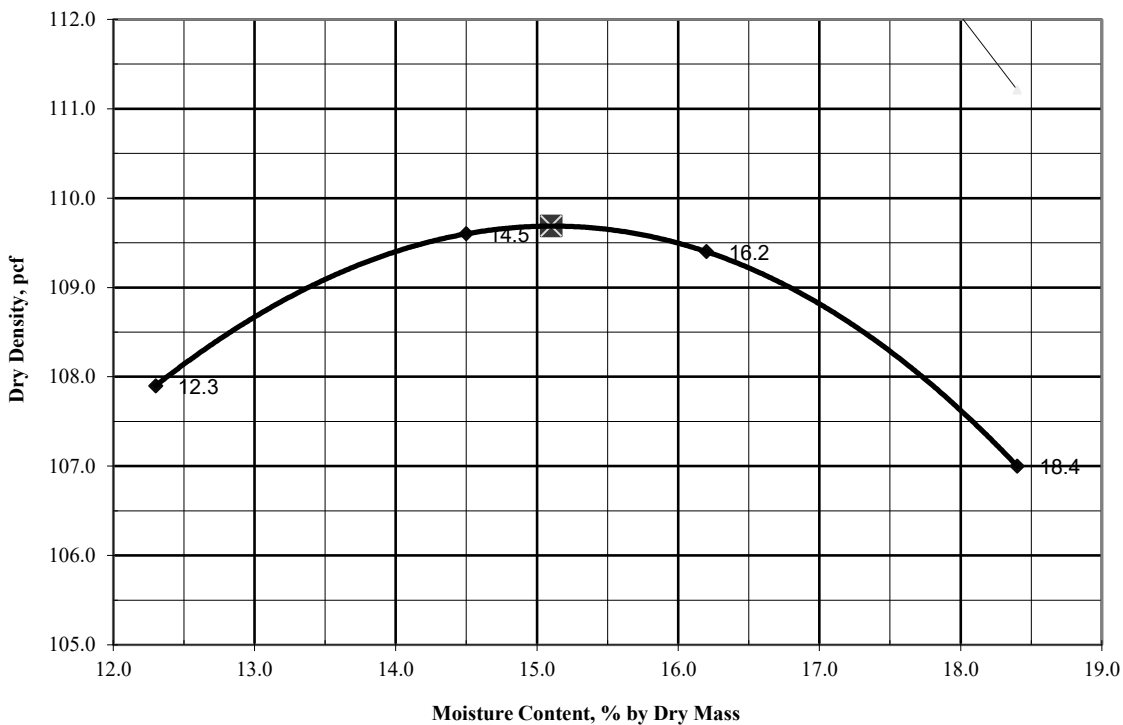
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CLIENT:	Aden Aggregates		PROJECT NO.:	260102
PROJECT:	Bloomingburg Quarry 2026		LAB NUMBER:	26-0293B
TEST METHOD:	ASTM D 1557 'Modified Proctor'		Method:	B
Manual or Automatic Method	Automatic Method	Type of Hammer Face	2-inch Circular	
SOIL ID NUMBER:	1			
ITEM:	Mason Sand			
SOURCE:	Bloomingburg Quarry			
SOIL DESCRIPTION:	Pale Brown Sand:97% Sand; 3% Silt (SP)			
DATE SAMPLED:	3/26/2026		SAMPLED BY:	Client
DATE TESTED:	3/31/2026		TESTED BY:	Michael D Thomas

REPORT OF MOISTURE DENSITY RELATIONSHIP



Individual Test Points	
Percent Moisture	Dry Density
12.3	107.9
14.5	109.6
16.2	109.4
18.4	107.0

Uncorrected Maximum Dry Density: 109.7 lb/cu. ft.
 Uncorrected Optimum Moisture Content: 15.1 %
 Specific Gravity of Soils *: 2.65
 Percent Oversize Particles: 0.0 %
 Est. Specific Gravity of Oversize*: 2.67

Corrected* Maximum Dry Density: 109.7 lb/cu. ft.
Corrected* Opt. Moisture Content: 15.1 %

**Corrected for oversize, when oversize particles exceed 5% of sample.
 **Material was oversaturated at 18.4% moisture

Emily J. Rodriguez

Report Reviewed By:

*Specific Gravity of Soils Estimated and Specific Gravity of Oversize Estimated.

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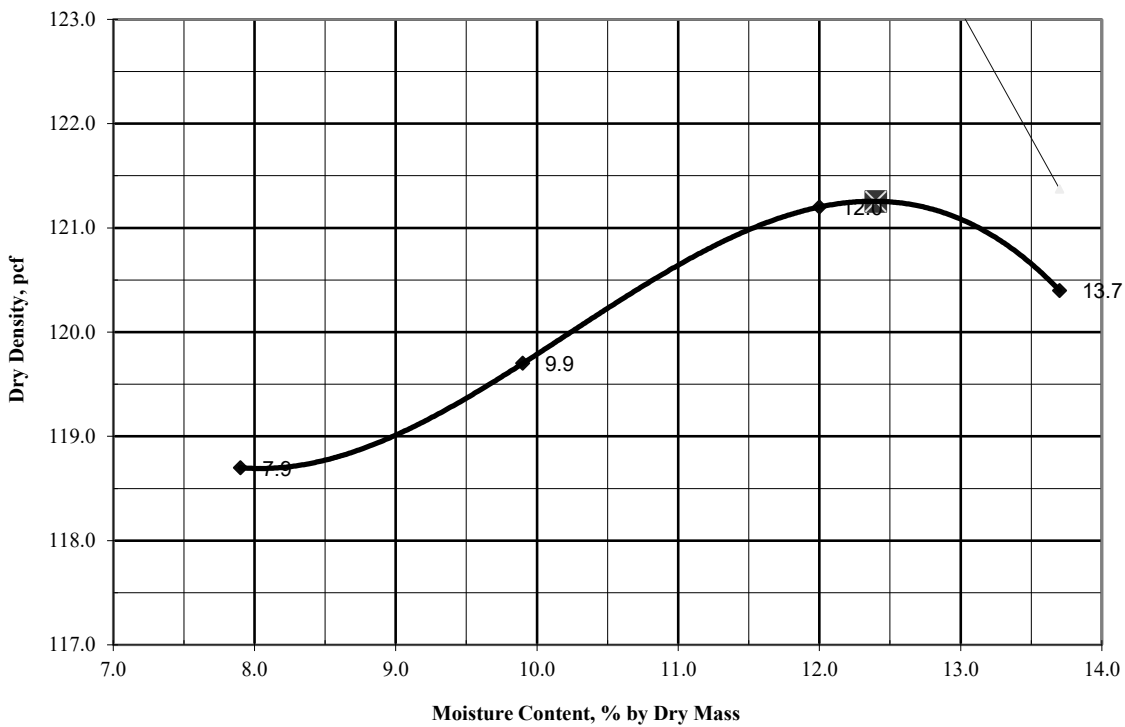
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CLIENT:	Aden Aggregates		PROJECT NO.:	260102
PROJECT:	Bloomingburg Quarry 2026		LAB NUMBER:	26-0293A
TEST METHOD:	ASTM D 1557 'Modified Proctor'		Method:	B
Manual or Automatic Method	Automatic Method	Type of Hammer Face	2-inch Circular	
SOIL ID NUMBER:	2			
ITEM:	C-33 Sand			
SOURCE:	Bloomingburg Quarry			
SOIL DESCRIPTION:	Brown Sand: 98% Sand; 2% Silt			
DATE SAMPLED:	3/26/2026		SAMPLED BY:	Client
DATE TESTED:	3/31/2026		TESTED BY:	Michael D Thomas

REPORT OF MOISTURE DENSITY RELATIONSHIP



Individual Test Points	
Percent Moisture	Dry Density
7.9	118.7
9.9	119.7
12.0	121.2
13.7	120.4

Uncorrected Maximum Dry Density: 121.3 lb/cu. ft.
 Uncorrected Optimum Moisture Content: 12.4 %
 Specific Gravity of Soils *: 2.65
 Percent Oversize Particles: 0.0 %
 Est. Specific Gravity of Oversize*: 2.67

Corrected* Maximum Dry Density: 121.3 lb/cu. ft.
Corrected* Opt. Moisture Content: 12.4 %

**Corrected for oversize, when oversize particles exceed 5% of sample.
 **Material was oversaturated at 13.7% moisture

Emily J. Rodriguez

Report Reviewed By:

*Specific Gravity of Soils Estimated and Specific Gravity of Oversize Estimated.

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