



3348 Route 208, Campbell Hall, NY 10916
 Phone: 845-496-1600 Fax: 845-496-1398
 12960 Commerce Lake Drive, A14, Fort Myers, FL 33913
 42 Day Farm Road, West Stockbridge, MA 01266
 1813 State Route 7, Harpursville, NY 13787

Client:	Aden Aggregates	Project:	Montgomery Yard QC 2025
Material:	Screened Clay	Project Number:	250360
Source:	Montgomery Quarry	Lab Number:	25-1284-1
Location:	Stockpile	Item Number:	No Specifications
Date Sampled:	9/19/2025	Sampled By:	Client
Date Tested:	9/29/2025	Tested By:	Michael D Thomas

Report of Triaxial Permeability Test Using Back Pressure
Test Method: ASTM D5084

Proctor Test Data	
ASTM Proctor Test Method:	D1557
Maximum Dry Density, PCF:	136.4
Optimum Moisture Content, Percent of Dry Weight:	8.4

Sample Preparation Method:
Chopped to pass 3/8-inch sieve. Compacted in 1-inch lifts, scarified between lifts. □

Test Sample Dimensions	Before Test	After Test
Height, cm:	7.77	7.66
Diameter, cm:	7.29	7.24
Moisture Content, %:	8.74	10.53
Dry Density, PCF:	126.66	130.15

Permeability Test Conditions	
Type of Water Used:	tap
Maximum Back Pressure, PSI:	79.9
Hydraulic Gradient:	45.9
Effective Stress, PSI (min):	10
Effective Stress, PSI (max):	15.06
Initial Degree of Saturation, %:	73.8
Final Degree of Saturation, %:	100.2

Specific Gravity = 2.67

Permeability Test Results

Coefficient of Permeability @ 20⁰C (68⁰F): **3.40E-08** cm/sec
 Specification:

Comments:

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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