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:**	Grasso Quarry QC 2025
Material:	Manufactured Sand	**Project Number:**	250005
Source:	Aden Aggregates	**Lab Number:**	25-0706
Location:	Stockpile	**Item Number:**	C-33
Date Sampled:	6/9/2025	**Sampled By:**	Client
Date Tested:	6/16/2024	**Tested By:**	Michael D Thomas

Report of Hydraulic Conductivity (Constant Head Permeability)

Test Method: ASTM D2434, AASHTO T215

Permeability Test Conditions	
Laboratory Recompacted Density of Sample (PCF):	105.2
Compaction, Percent of Maximum Dry Density (%):	Lightly
Moisture Content During Recompaction (%):	0.0

Sample diameter (cm): 11.20 Area (cm^2): 98.5 Piezometer Spacing, L (cm): 11.43

Tail Level	Head Level	Head (cm)	Volume (Q) mL	Time (t) sec	Q/At	h/L	°C	k=(Q/At)/(h/L)
16.1	37.0	20.9	342	60	5.79E-02	1.83	21.1	3.08E-02
16.4	37.5	21.1	348	120	2.95E-02	1.85	21.1	1.55E-02
16.7	38.0	21.3	356	180	2.01E-02	1.86	21.1	1.05E-02
16.9	38.5	21.6	374	240	1.58E-02	1.89	21.1	8.15E-03
17.1	39.0	21.9	384	300	1.30E-02	1.92	21.1	6.60E-03
17.3	39.5	22.2	389	360	1.10E-02	1.94	21.1	5.51E-03

Permeability Test Results

Coefficient of Permeability @ 20°C (68°F): k20 = 1.29E-02 cm/sec @ Lightly % compaction

Notes: 1. Permeability values obtained under field conditions will be influenced by compaction density and moisture content, compaction equipment used, variations in material, preparation methods, subgrade conditions, weather, and other factors.
2. Changes in head level between test increments may differ from the specified 0.5cm, in order to accurately assess the laminar flow regime.
3. Test results are corrected to standard temperature (20°C / 68°F).

Comments: Material was lightly to moderately compacted

Specifications not available at time of testing.

Report Reviewed By: Emily J. Rodriguez

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.

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