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Client:	Aden Aggregates	Project:	Hancock QC 2025
Material:	Select Structural/Select Granular Fill	Project Number:	250350
Source:	Hancock Mine	Lab Number:	25-0336A
Location:	Stockpile	Specification:	NYSDOT 203
Date Sampled:	3/28/2025	Sampled By:	Client
Date Tested:	4/16/2025	Tested By:	Robert Thomas

Report of 4 Cycle Magnesium Sulfate Soundness Test

Test Method: NYSDOT GTM-21

Test Sample Gradation			Test Sample					
Sieve Size	Original Grading	Weighing Factor	Original Weight	Basket Number	Final Weight	Weight Loss	Percent Wt. Loss	Wgt. Avg. Corr. % Loss
2 - 1in (50 - 25mm)	0	0.000	0	0	0.0	0.0	0.0%	0.00%
1 - 1/2in (25 - 12.5mm)	24.8	0.498	606.5	25	392.2	214.3	35.3%	17.60%
1/2 - 1/4in (12.5-6.3mm)	25	0.502	301.7	40A	251.6	50.1	16.6%	8.34%
1/4in - #10 (6.3 - 2mm)	0	0.000	0	0	0.0	0.0	0.0%	0.00%
Total	49.8	1.000						25.9%

Sample Composition: Grey Crushed Stone

Principal Form of Degradation:

<u> X </u>	Splitting	<u> X </u>	Cracking
<u> </u>	Crumbling	<u> X </u>	Flaking
<u> X </u>	Disintegration	<u> X </u>	Chipping

Specification: Item 203.06, Select Fill: 35% Maximum
Item 203.07, Select Granular/Structural Fill: 30% Maximum

Comments: Test result complies with specification

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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