



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

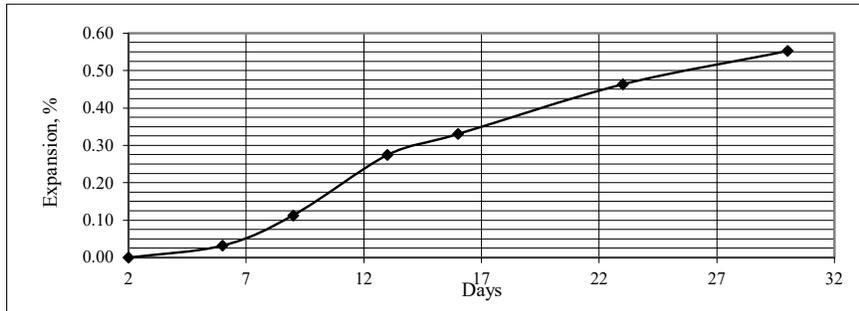
Client:	Aden Aggregates	Project:	Bloomingburg Quarry 2025
Item:	Concrete Sand	Project #:	250477
Source:	Bloomingburg Quarry	Lab No.:	25-1283
Date Sampled:	9/19/2025	Sampled By:	Client
Date Tested:	10/7/2025	Tested By:	John Brinsfield / Michael Flaherty

POTENTIAL ALKALI REACTIVITY OF AGGREGATES (MORTAR BAR METHOD)
 Test Method: ASTM C1260

Aggregate: Bloomingburg, Concrete Sand
 Cement: Holcim, Type I/II
 Water/cement ratio: 0.47

Specimen No.	Percent Expansion				Average
	A	B	C	D	
Age, days* 2	0.000	0.000	0.000	0.000	0.00
6	0.034	0.035	0.030	0.032	0.03
9	0.115	0.115	0.107	0.116	0.11
13	0.278	0.275	0.264	0.280	0.27
16	0.335	0.332	0.319	0.336	0.33
23	0.471	0.467	0.447	0.471	0.46
30	0.561	0.557	0.530	0.562	0.55

*Reading at 2 days is the 'zero' (reference) reading.



Expansion is given in percent of initial length.

Expansion of less than 0.10% at 16 days is considered to indicate innocuous behavior in most cases, expansion of more than 0.20% at 16 days indicates potentially deleterious expansion, and values of 0.10% to 0.20% may or may not indicate potentially deleterious expansion. Some granitic gneisses and metabasalts may exhibit deleterious expansion even if their expansion is less than 0.10% in this test.

Emily J. Rodriguez

Report reviewed by: _____