

# Chicora Foundation Mortar Analysis Data Sheet

**Name:** Michael Trinkley                      **Sample No.:** 2004-12  
**Date:** 12/23/04                                **Origin of Sample:** Oakview Cemetery, Albany, Georgia, Brick Vault 196 mortar sample

**Visual Description of sample (color, texture, hardness, inclusions, etc.):**  
 Very friable and soft. Small (1-2mm), occasional white lime inclusions. Color is white, 7.5YR8/1.

**Mortar Analysis**

Original weight of powdered sample	12.94
Weight of filter paper	0.89
Weight of filter paper + dry fines	1.09
Weight dry fines	0.20
Weight of dry sand	9.69
% of sand	74.88
% of fines	1.55
% of dissolved binder	23.57

**Observations (dissolution of binder, color of liquid, reaction):**

**Characterization of Sand:**

		wt. (gm)	%	
<b>Microscopic Examination:</b> Rounded quartz with small black and brown mineral inclusions.	wt. % finer than	4.75mm	0.00	
		2.36mm	0.00	
		1.18mm	0.03	0.309598
		600µm	0.26	2.683179
		300µm	6.02	62.1259
		150µm	3.00	30.95975
		75µm	0.37	3.818369
		53µm	0.01	0.103199
		38µm	0.00	0
Total sand weight		9.69		

**Munsell Color(s) of Sand:** white 7.5YR8/1

