

# Chicora Foundation Mortar Analysis Data Sheet

**Name:** Michael Trinkley                      **Sample No.:** 2004-13  
**Date:** 12/23/04                                **Origin of Sample:** Oakview Cemetery, Albany, Georgia, Brick Vault 45, mortar sample

**Visual Description of sample (color, texture, hardness, inclusions, etc.):**  
 Friable, soft, small (1-2mm) white abundant inclusions, probably lime. Color is light gray, 7.5YR7/1.

**Mortar Analysis**

Original weight of powdered sample	19.32
Weight of filter paper	0.87
Weight of filter paper + dry fines	4.44
Weight dry fines	3.57
Weight of dry sand	12.83
% of sand	66.41
% of fines	18.48
% of dissolved binder	15.11

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

**Characterization of Sand:**

**Microscopic Examination:**  
 Rounded quartz with white lumps (non-reactive).

	wt. % finer than		wt (gm)	%
	4.75mm		0.00	0
	2.36mm		0.00	0
	1.18mm		0.04	0.311769
	600µm		0.16	1.247077
	300µm		7.40	57.67732
	150µm		4.88	38.03585
	75µm		0.33	2.572097
	53µm		0.02	0.155885
	38µm		0.00	0
<b>Total sand weight</b>			12.83	

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

