Chicora Foundation Mortar Analysis Data Sheet

Name: Pon Pon 14 **Sample No.**: 2005-3

Date: 1/24/05 **Origin of Sample**: Interior wall stucco from wall

Visual Description of sample (color, texture, hardness, inclusions, etc.):
Hard, slightly friable, white inclusions from 2mm to < 1mm. Color is pale brown 10 YR 6/3

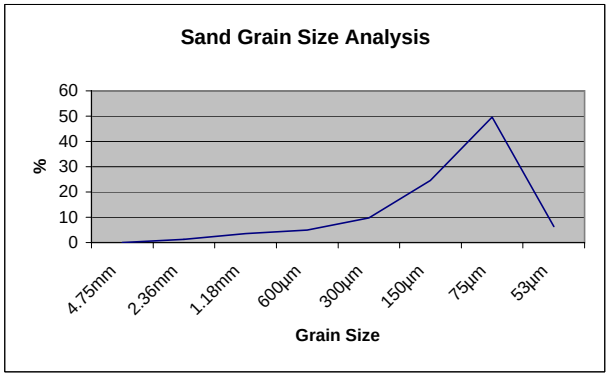
Mortar Analysis

Original weight of powdered sample	19.49
Weight of filter paper	0.84
Weight of filter paper + dry fines	1.90
Weight dry fines	1.06
Weight of dry sand	8.49
% of sand	43.56
% of fines	5.44
% of disolved binder	51.00

Observations (dissolution of binder, color of liquid, reaction):
Moderately vigorous, short-lived, dark brown liquid.

Characterization of Sand:

Microscopic Examination:
2.36mm to 1.18mm angular pieces of conglomerate material.
710µm a few flecks of angular white material, very few subangular pieces of quartz. 300µm to 53µm
very few small black flecks of UID material.

		wt (gm)	%
wt./% finer than	4.75mm	0.00	0
	2.36mm	0.11	1.295642
	1.18mm	0.30	3.533569
	600µm	0.42	4.946996
	300µm	0.83	9.776207
	150µm	2.08	24.49941
	75µm	4.21	49.58775
	53µm	0.54	6.360424
	38µm	0.00	0
Total sand weight		8.49	

Munsell Color(s) of Sand: light grayish brown 10 YR 6/2