



2720 Highway 341 South
 Clinchfield, Ga 31017
 Telephone (478) 987 2868
 FAX (478) 987 1930

**CEMENT
 MILL
 TEST
 REPORT**

Cement Identified as: **Masonry S** **10/15/2008**
Plant: Cemex Clinchfield
Location: Clinchfield, Ga
Production Dates:
Beginning: September 1, 2008 **Silos: 5, 7, 8, 17, 18, 23A, 24A**
Ending: September 30, 2008

STANDARD CHEMICAL REQUIREMENTS (ASTM C 114)	ASTM C 91 SPECIFICATIONS	TYPE N	TYPE S	TEST RESULTS
Sulfur Trioxide (SO ₃), %				2.6
Loss on Ignition (LOI), %				14.6
PHYSICAL REQUIREMENTS				
(ASTM C 204) Blaine Fineness, cm ² /gm		----	----	6408
(ASTM C 430) -325 Mesh, %	Minimum	76	76	95.2
(ASTM C 191) Time of Setting (Gillmore)				
Initial Set, minutes	Minimum	120	90	198
Final Set, minutes	Maximum	1440	1440	304
(ASTM C 185) Air Content, %				14.3
	Minimum	8	8	
	Maximum	21	19	
(ASTM C 151) Autoclave Expansion, %	Maximum	1.00	1.00	
(ASTM C 1506) Water Retention, % of original flow	Minimum	70	70	86.0
(ASTM C 109) Compressive Strength, psi (MPa)				
7 Days	Minimum	500(3.4)	1300(9.0)	2324
28 Days	Minimum	900(6.2)	2100(14.5)	2782

CEMEX hereby certifies that this cement meets or exceeds the chemical and physical Specifications of:

ASTM C 91 for Type S Masonry Cement

By: *Claudio Eberhardt*
 Quality Control Manager
 CEMEX - Clinchfield Cement Plant
 2720 Highway 341 South, Clinchfield Ga 31013