

**BRAND:** EarthCEM™ Slag Cement  
**Grade:** 100  
**Type:** ASTM C989-18a  
**Report Date:**

**SOURCE LOCATION:**  
 WALAN SCP, LLC  
 501 Christina Avenue  
 Wilmington, DE 19801  
 855.438.7524

CHEMICAL & PHYSICAL REQUIREMENTS	TEST RESULT	SPECIFICATION
Sulfur Trioxide (SO <sub>3</sub> ), %		4.0 Max
Sulfur Sulfide (S), %		2.5 Max
Blaine Surface Area, m <sup>2</sup> /kg		—
Fineness Retained on 325 Mesh Sieve (45 micron), %		20 Max
Air Content %		12 Max
Total Alkalies % (Na <sub>2</sub> O + 0.658 K <sub>2</sub> O)		—
<b>SLAG ACTIVITY INDEX</b>		
7 Day: Individual, %		—
7 Day: Average of last 5, %		—
28 Day: Individual, %		<b>90 Min</b>
<b>28 Day: Average of last 5, %</b>		95 Min
<b>COMPRESSIVE STRENGTH</b>		
7 Day - Reference Cement, PSI		—
28 Day - Reference Cement, PSI		<b>5000</b>
7 Day - 50% Slag + 50% Reference Cement, PSI		—
28 Day - 50% Slag + 50% Reference Cement, PSI		—
<b>TEST DATA ON REFERENCE CEMENT</b>		
Total Alkalies % (Na <sub>2</sub> O + 0.658 K <sub>2</sub> O)		0.60 - 0.90
C3S		—
C2S		—
C3A		—
C4AF		—
Blaine Surface Area, m <sup>2</sup> /kg	370	260 Min

NOTE: Dashes in the specification column means "Not Applicable."

Certified by: *Jason Murtha*  
 Jason Murtha  
 WALAN SCP Operations Mgr.