

<b>BRAND:</b>	<b>EarthCEM™ Slag Cement</b>
Type:	ASTM C989-18
Report Date:	April 2022

<b>SOURCE LOCATION:</b>
WALAN SCP, LLC
501 Christina Avenue
Wilmington, DE 19801
855.438.7524

CHEMICAL & PHYSICAL REQUIREMENTS	TEST RESULT	SPECIFICATION
Sulfur Trioxide (SO <sub>3</sub> ), %	1.42	4.0 Max
Sulfur Sulfide (S), %	0.57	2.5 Max
Blaine Surface Area, m <sup>2</sup> /kg	557	—
Fineness Retained on 325 Mesh Sieve (45 micron), %	0.5	20 Max
Air Content, %	6.2	12 Max
<b>SLAG ACTIVITY INDEX</b>		
7 Day: Individual, %	87	70 Min
7 Day: Average of last 5, %		
28 Day: Individual, %	123	110 Min
28 Day: Average of last 5, %		115 Min
<b>COMPRESSIVE STRENGTH</b>		
7 Day - Reference Cement, PSI	3640	—
28 Day - Reference Cement, PSI	5065	5,000 Min
7 Day - 50% Slag + 50% Reference Cement, PSI	3150	—
28 Day - 50% Slag + 50% Reference Cement, PSI	6215	—
<b>REFERENCE CEMENT</b>		
Total Alkalies (Na <sub>2</sub> O + 0.658 K <sub>2</sub> O), %	0.79	0.60 - 0.90
C3S	52.8	—
C2S	21.6	—
C3A	4.82	—
C4AF	10.92	—
Blaine Surface Area, m <sup>2</sup> /kg	557	260 Min

NOTES:

1. Dashes in the specification column means Not Applicable.
2. EarthCEM T-Alk (Na<sub>2</sub>O + 0.658K<sub>2</sub>O) = 0.36

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