



**Cement**

**NewCem Plus**



Analysis by: Lafarge Concrete Lab  
 Sample from : Seattle Blending Facility  
 Average Analysis: November 2023  
 Mill Certificate ID: 12-23 BSCM

**Chemical Analysis**

Available Alkali as Equiv. Na <sub>2</sub> O (previous month's result)	0.7 %
Total Alkalies as Equivalent Na <sub>2</sub> O	2.02 %
CaO Fly Ash *	16 %
SO <sub>3</sub> Fly Ash *	1.1 %
SO <sub>3</sub> Slag **	5.4 %
S Ion Slag **	0.8 %

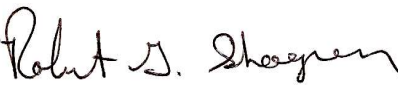
**Physical Analysis**

Ground Granulated Blast Furnace Slag SAI, 28 Day **	102 %
Class/Type F Fly Ash Pozzolanic Acivity Index, 28 Day *	105 %
LOI Fly Ash *	0.76 %
45 <sub>u</sub> Fly Ash*	12.6 %
45 <sub>u</sub> Slag**	5.5 %
Density	2.72 Mg/m <sup>3</sup>

**Cementitious Blend**

Class/Type F Fly Ash Blend Percentage	50 %
Ground Granulated Blast Furnace Slag Blend Percentage	50 %

We hereby certify this blended SCM product meets the requirements of ASTM C-1697 SCMb-50S/50F and CSA A-3000 BMb-50F/S.

Certified :   
 Rob Shogren, P.E.  
 Technical Engineer  
 Lafarge North America

\* 12-23F Centralia Class/Type F Fly Ash Cert

\*\* SEA\_NEWCEM\_December2023 Ground Granulated Blast Furnace Slag Cert