

**Cement**

**NewCem Plus**

Analysis by: Lafarge Concrete Lab  
 Sample from : Seattle Blending Facility  
 Average Analysis: December 2021  
 Mill Certificate ID: 1-22 BSCM



Certified to  
NSF/ANSI/CAN 61

**Chemical Analysis**

Total Alkalies as Equivalent Na <sub>2</sub> O	2.57 %
CaO Fly Ash *	15 %
SO <sub>3</sub> Fly Ash *	0.8 %
SO <sub>3</sub> Slag **	5 %
S Ion Slag **	0.8 %

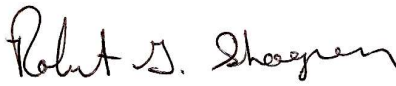
**Physical Analysis**

Ground Granulated Blast Furnace Slag SAI, 28 Day **	105 %
Class/Type F Fly Ash Pozzolanic Activity Index, 28 Day *	101 %
LOI Fly Ash *	0.27 %
Autoclave Fly Ash *	0.02 %
Autoclave Slag **	-0.01 %
45 <sub>u</sub> Fly Ash*	18.3 %
45 <sub>u</sub> Slag**	2.5 %
Density	2.78 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

\* 1-22F Centralia Class/Type F Fly Ash Cert

\*\* SEA\_NEWCEM\_Jan2022 Ground Granulated Blast Furnace Slag Cert