



**Cement**

**NewCem Plus**

Analysis by: Lafarge Concrete Lab  
Sample from : Seattle Blending Facility  
Average Analysis: June 2023  
Mill Certificate ID: 7-23 BSCM



**Chemical Analysis**

Available Alkali as Equiv. Na <sub>2</sub> O (previous month's result)	0.5	%
Total Alkalies as Equivalent Na <sub>2</sub> O	2.28	%
CaO Fly Ash *	15	%
SO <sub>3</sub> Fly Ash *	1.4	%
SO <sub>3</sub> Slag **	5.3	%
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 *	108	%
LOI Fly Ash *	0.39	%
Autoclave Fly Ash *	0.04	%
Autoclave Slag **	-0.02	%
45 <sub>u</sub> Fly Ash*	10.0	%
45 <sub>u</sub> Slag**	6.2	%
Density	2.76	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

\* 7-23F Centralia Class/Type F Fly Ash Cert

\*\* SEA\_NEWCEM\_July2023 Ground Granulated Blast Furnace Slag Cert