

**Cement**

**NewCem Plus**

Analysis by: Lafarge Concrete Lab  
 Sample from : Seattle Blending Facility  
 Average Analysis: May 2021  
 Mill Certificate ID: 6-21 BSCM



**Chemical Analysis**

Total Alkalies as Equivalent Na <sub>2</sub> O	2.28 %
CaO Fly Ash *	15 %
SO <sub>3</sub> Fly Ash *	1.0 %
SO <sub>3</sub> Slag **	2.6 %
S Ion Slag **	0.8 %

**Physical Analysis**

Ground Granulated Blast Furnace Slag SAI, 28 Day **	96 %
Class/Type F Fly Ash Pozzolanic Activity Index, 28 Day *	92 %
LOI Fly Ash *	0.29 %
Autoclave Fly Ash *	0.05 %
Autoclave Slag **	0.01 %
45 <sub>u</sub> Fly Ash*	20.0 %
45 <sub>u</sub> Slag**	5.9 %
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

\* 6-21F Centralia Class/Type F Fly Ash Cert

\*\* SEA\_NEWCEM\_June2021 Ground Granulated Blast Furnace Slag Cert