



Cement

NewCem Plus



Analysis by: Lafarge Concrete Lab
Sample from : Seattle Blending Facility
Average Analysis: October 2021
Mill Certificate ID: 11-21 BSCM

Chemical Analysis

Total Alkalies as Equivalent Na ₂ O	2.40 %
Available Alkali as Equiv. Na ₂ O (previous month's result)	0.6 %
CaO Fly Ash *	14
SO3 Fly Ash *	0.7 %
SO3 Slag **	4.6 %
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 *	96 %
LOI Fly Ash *	0.29 %
Autoclave Fly Ash *	0.01 %
Autoclave Slag **	-0.01 %
45 _u Fly Ash*	15.3 %
45 _u Slag**	2.3 %
Density	2.78 Mg/m ³

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

* 11-21F Centralia Class/Type F Fly Ash Cert

** SEA_NEWCEM November 21 Ground Granulated Blast Furnace Slag Cert