

Cement

NewCem Plus



Analysis by: Lafarge Concrete Lab
 Sample from : Seattle Blending Facility
 Average Analysis: October 2023
 Mill Certificate ID: 11-23 BSCM

Chemical Analysis

Available Alkali as Equiv. Na ₂ O (previous month's result)	0.6	%
Total Alkalies as Equivalent Na ₂ O	2.29	%
CaO Fly Ash *	15	%
SO ₃ Fly Ash *	1.0	%
SO ₃ Slag **	4.7	%
S Ion Slag **	0.8	%


Physical Analysis

Ground Granulated Blast Furnace Slag SAI, 28 Day **	103	%
Class/Type F Fly Ash Pozzolanic Acivity Index, 28 Day *	100	%
LOI Fly Ash *	0.17	%
Autoclave Fly Ash *	0.09	%
45 _u Fly Ash*	12.4	%
45 _u Slag**	6.5	%
Density	2.76	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

* 11-23F Centralia Class/Type F Fly Ash Cert

** SEA_NEWCEM_November2023 Ground Granulated Blast Furnace Slag Cert