



Cement

NewCem Plus

Analysis by: Lafarge Concrete Lab
Sample from : Seattle Blending Facility
Average Analysis: July 2023
Mill Certificate ID: 8-23 BSCM



Certified to
NSF/ANSI/CAN 61

Chemical Analysis

Available Alkali as Equiv. Na ₂ O (previous month's result)	0.7	%
Total Alkalies as Equivalent Na ₂ O	2.49	%
CaO Fly Ash *	15	%
SO ₃ Fly Ash *	1.4	%
SO ₃ Slag **	5.4	%
S Ion Slag **	0.8	%

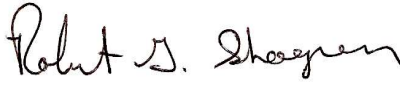
Physical Analysis

Ground Granulated Blast Furnace Slag SAI, 28 Day **	102	%
Class/Type F Fly Ash Pozzolanic Acivity Index, 28 Day *	98	%
LOI Fly Ash *	0.44	%
Autoclave Fly Ash *	0.09	%
Autoclave Slag **	0.06	%
45 _u Fly Ash*	11.4	%
45 _u Slag**	6.6	%
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

* 8-23F Centralia Class/Type F Fly Ash Cert

** SEA_NEWCEM_August2023 Ground Granulated Blast Furnace Slag Cert