LAFARGE NORTH AMERICA

Cement

NewCem Plus

Certified to NSF/ANSI/CAN 61

Analysis by:	Lafarge Concrete Lab
Sample from :	Seattle Blending Facility
Average Analysis:	March 2022
Mill Certificate ID:	4-22 BSCM

Chemical Analysis

Total Alkalies as Equivalent Na_2O	2.55 %
CaO Fly Ash *	15 %
SO3 Fly Ash *	1.0 %
SO3 Slag **	3.8 %
S Ion Slag **	0.8 %

Physical Analysis

Ground Granulated Blast Furnace Slag SAI, 28 Day **	104 %
Class/Type F Fly Ash Pozzolanic Acivitity Index, 28 Day *	104 %
LOI Fly Ash *	0.38 %
Autoclave Fly Ash *	0.02 %
Autoclave Slag **	-0.01 %
45_u Fly Ash*	14.8 %
45_u Slag**	5.8 %
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/50Fand CSA A-3000 BMb-50F/S.

Certified : Robert S. Shogren

Rob Shogren, P.E.
Technical Engineer
Lafarge North America

* 4-22F Centralia Class/Type F Fly Ash Cert
** SEA_NEWCEM_April2022 Ground Granulated Blast Furnace Slag Cert

Lafarge Seattle Plant
5400 W Marginal Way SW Seattle, WA. 98106
Phone: 206-923-8025