

Cement

NewCem Plus

Analysis by: Lafarge Concrete Lab
 Sample from : Seattle Blending Facility
 Average Analysis: March 2021
 Mill Certificate ID: 4-21 BSCM



Certified to
NSF/ANSI/CAN 61

Chemical Analysis

| | |
|--|--------|
| Total Alkalies as Equivalent Na ₂ O | 2.49 % |
| CaO Fly Ash * | 15 % |
| SO ₃ Fly Ash * | 1.0 % |
| SO ₃ Slag ** | 2.4 % |
| S Ion Slag ** | 0.8 % |

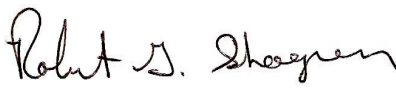
Physical Analysis

| | |
|--|------------------------|
| Ground Granulated Blast Furnace Slag SAI, 28 Day ** | 110 % |
| Class/Type F Fly Ash Pozzolanic Activity Index, 28 Day * | 103 % |
| LOI Fly Ash * | 0.33 % |
| Autoclave Fly Ash * | 0.04 % |
| Autoclave Slag ** | 0.00 % |
| 45 _u Fly Ash* | 19.7 % |
| 45 _u Slag** | 7.2 % |
| 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

* 4-21F Centralia Class/Type F Fly Ash Cert

** SEA_NEWCEM_April2021 Ground Granulated Blast Furnace Slag Cert