



Cement

FLY ASH TEST REPORT

Analysis by: Lafarge Seattle Concrete Lab
Sample from : Keephills Power Plant
Average Analysis: June 2021
Test Report Number 7-21 F CSA

Chemical Analysis

Silicon Dioxide (SiO ₂)	58.2 %
Aluminum Oxide (Al ₂ O ₃)	23.7 %
Iron Oxide (Fe ₂ O ₃)	3.8 %
Sulphur Trioxide (SO ₃)	0.2 %
Calcium Oxide (CaO)	9.1 %
Magnesium Oxide	1.3 %
Moisture Content	0.11 %
Loss on Ignition	1.17 %
Total Alkalies as Equivalent Na ₂ O	3.48 %

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	18.3 %
Strength Activity Index with Portland Cement	
% of Control at 28 Days (<i>previous month's result</i>)	95% %
Water Requirement, Percent of Control	93 %
Autoclave Expansion	-0.01 %
Density	2.04 Mg/m ³

We hereby certify that the composite fly ash sample above meets the chemical and physical requirements of CAN/CSA A3001 for Type F Fly Ash.

Certified _____

Rob Shogren
Technical Director

WESTERN REGION

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