



Cement

FLY ASH TEST REPORT

Analysis by: Lafarge Seattle Concrete Lab
Sample from : Centralia Power Plant
Average Analysis: January 2021
Test Report Number 2-21 F CSA

Chemical Analysis

Silicon Dioxide (SiO ₂)	48.5 %
Aluminum Oxide (Al ₂ O ₃)	17.0 %
Iron Oxide (Fe ₂ O ₃)	6.0 %
Sulphur Trioxide (SO ₃)	1.1 %
Calcium Oxide (CaO)	14 %
Magnesium Oxide	5.7 %
Moisture Content	0.05 %
Loss on Ignition	0.29 %
Total Alkalies as Equivalent Na ₂ O	4.80 %

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	16.4 %
Strength Activity Index with Portland Cement	
% of Control at 28 Days (<i>previous month's result</i>)	101% %
Water Requirement, Percent of Control	95 %
Autoclave Expansion	0.03 %
Density	2.65 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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