



Cement

FLY ASH TEST REPORT

Analysis by: Lafarge Seattle Concrete Lab
Sample from : Centralia Power Plant
Average Analysis: August 2021
Test Report Number 9-21 F CSA

Chemical Analysis

Silicon Dioxide (SiO ₂)	49.5 %
Aluminum Oxide (Al ₂ O ₃)	17.9 %
Iron Oxide (Fe ₂ O ₃)	5.6 %
Sulphur Trioxide (SO ₃)	0.9 %
Calcium Oxide (CaO)	14.3 %
Magnesium Oxide	5.4 %
Moisture Content	0.14 %
Loss on Ignition	0.31 %
Total Alkalies as Equivalent Na ₂ O	4.38 %

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>)	91 %
Water Requirement, Percent of Control	103 %
Autoclave Expansion	0.02 %
Density	2.62 Mg/m³

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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