



FLY ASH TEST REPORT

Sample from : Centralia/Kamloops Type F Fly Ash
Average Analysis: May 2025
Test Report Number Centralia/Kamloops-6-25_F_CSA

Chemical Analysis

Silicon Dioxide (SiO_2)	53.7 %
Aluminum Oxide (Al_2O_3)	12.9 %
Iron Oxide (Fe_2O_3)	5.9 %
Total (SiO_2) + (Al_2O_3) + (Fe_2O_3)	72.5 %
Sulphur Trioxide (SO_3)	0.2 %
Calcium Oxide (CaO)	9.8 %
Magnesium Oxide	3.2 %
Moisture Content	0.14 %
Loss on Ignition	2.80 %
Total Alkalies as Equivalent Na_2O	3.27 %

Physical Analysis

Fineness Retained on 45 μm (No. 325 Sieve)	15.0 %
Fineness Retained on 160 μm	0.3
Strength Activity Index with Portland Cement	
% of Control at 7 Days	78 %
% of Control at 28 Days (<i>previous month's result</i>)	82 %
Water Requirement, Percent of Control	100 %
Density	2.67 g/cm^3
Density, Variation from Average	0.70 %
Fineness 45 μm Sieve, Variation from Average	3.10 %

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

* Tested at CCIL, ASTM C1077 and AASHTO R18 Accredited Laboratory

A handwritten signature in black ink, appearing to read 'Robt S. Shogren'.

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