



FLY ASH TEST REPORT

Sample from : Centralia/Kamloops Type F Fly Ash
Average Analysis: June 2024
Test Report Number Centralia/Kamloops-7-24_F_CSA

Chemical Analysis

Silicon Dioxide (SiO ₂)	59.8 %
Aluminum Oxide (Al ₂ O ₃)	12.7 %
Iron Oxide (Fe ₂ O ₃)	5.7 %
Total (SiO ₂) + (Al ₂ O ₃) + (Fe ₂ O ₃)	78.2 %
Sulphur Trioxide (SO ₃)	0.4 %
Calcium Oxide (CaO)	13.5 %
Magnesium Oxide	3.6 %
Moisture Content	0.12 %
Loss on Ignition	3.17 %
Total Alkalies as Equivalent Na ₂ O	3.07 %

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	8.6 %
Fineness Retained on 160 um	0.0
Strength Activity Index with Portland Cement	
% of Control at 7 Days	82 %
% of Control at 28 Days (<i>previous month's result</i>)	83 %
Water Requirement, Percent of Control	100 %
Density	2.69 g/cm ³
Density, Variation from Average	0.50 %
Fineness 45um Sieve, Variation from Average	2.30 %

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

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