



Cement

FLY ASH TEST REPORT

Analysis by: Edmonton Mortar Lab
Sample from : Sheerness Power Plant
Average Analysis: April 2021
Test Report Number 5-21 CSA

Chemical Analysis

Silicon Dioxide (SiO ₂)	51.9 %
Aluminum Oxide (Al ₂ O ₃)	23.5 %
Iron Oxide (Fe ₂ O ₃)	6.7 %
Total (SiO ₂) + (Al ₂ O ₃) + (Fe ₂ O ₃)	82.1 %
Sulphur Trioxide (SO ₃)	0.4 %
Calcium Oxide (CaO)	11.8 %
Magnesium Oxide	2.7 %
Moisture Content	0.23 %
Loss on Ignition	0.72 %
Total Alkalies as Equivalent Na ₂ O	2.02 %

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	28.4 %
Strength Activity Index with Portland Cement	
% of Control at 28 Days (<i>previous month's result</i>)	85 %
Water Requirement, Percent of Control	96 %
Autoclave Expansion	-0.02 %
Density	2.24 g/cm 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 : _____

WESTERN REGION

5400 West Marginal Way SW, Seattle, Washington 98106-1517

Office: 206.923.0098 or 800.477.0100 Fax: 206.923.0388