



Cement

FLY ASH TEST REPORT

Analysis by: Edmonton Mortar Lab
Sample from : Sheerness Power Plant
Average Analysis: May 2021
Test Report Number 6-21 CSA

Chemical Analysis

Silicon Dioxide (SiO ₂)	54.7 %
Aluminum Oxide (Al ₂ O ₃)	21.7 %
Iron Oxide (Fe ₂ O ₃)	5.6 %
Total (SiO ₂) + (Al ₂ O ₃) + (Fe ₂ O ₃)	82.0 %
Sulphur Trioxide (SO ₃)	0.4 %
Calcium Oxide (CaO)	10.8 %
Magnesium Oxide	1.9 %
Moisture Content	0.26 %
Loss on Ignition	0.62 %
Total Alkalies as Equivalent Na ₂ O	3.36 %

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	24.5 %
Strength Activity Index with Portland Cement % of Control at 28 Days (<i>previous month's result</i>)	80 %
Water Requirement, Percent of Control	93 %
Autoclave Expansion	0.00 %
Density	2.24 g/cm³

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

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