



Cement

FLY ASH TEST REPORT

Analysis by: Lafarge Seattle Concrete Lab
Sample from : Centralia Power Plant
Average Analysis: August 2022
Test Report Number 9-22 F CSA

Chemical Analysis

		Limits
Silicon Dioxide (SiO ₂)	48.3 %	
Aluminum Oxide (Al ₂ O ₃)	17.9 %	
Iron Oxide (Fe ₂ O ₃)	6.4 %	
Sulphur Trioxide (SO ₃)	0.8 %	
Calcium Oxide (CaO)	14.1 %	15% Max - CSA
Magnesium Oxide	4.2 %	
Moisture Content	0.13 %	
Loss on Ignition	0.27 %	
Total Alkalies as Equivalent Na ₂ O	4.57 %	

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	15.1 %	34% Max - CSA
Strength Activity Index with Portland Cement		
% of Control at 28 Days (<i>previous month's result</i>)	91 %	
Water Requirement, Percent of Control	92 %	
Autoclave Expansion	0.04 %	
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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