



Cement

FLY ASH TEST REPORT

Analysis by: Lafarge Seattle Concrete Lab
Sample from : Centralia Power Plant
Average Analysis: February 2025
Test Report Number 3-25 F CSA

Chemical Analysis

		Limits
Silicon Dioxide (SiO_2)	50.5 %	
Aluminum Oxide (Al_2O_3)	17.9 %	
Iron Oxide (Fe_2O_3)	6.0 %	
Sulphur Trioxide (SO_3)	1.1 %	
Calcium Oxide (CaO)	13.9 %	15% Max - CSA
Magnesium Oxide	4.0 %	
Moisture Content	0.17 %	
Loss on Ignition	0.52 %	
Total Alkalies as Equivalent Na_2O	4.20 %	

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	15.0 %	34% Max - CSA
Strength Activity Index with Portland Cement		
% of Control at 28 Days (<i>previous month's result</i>)	95 %	
Water Requirement, Percent of Control	104 %	
Density	2.63 Mg/m^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 . 

Rob Shogren
Technical Director

WESTERN REGION

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

Office: 206.923.0098 or 800.477.0100 Fax: 206.923.0388