



FLY ASH TEST REPORT

Sample from : Sundance Harvested Fly Ash
Average Analysis: June 2026
Test Report Number Sundance_HA-7-26_F_CSA

Chemical Analysis

Silicon Dioxide (SiO_2)	58.6 %
Aluminum Oxide (Al_2O_3)	23.2 %
Iron Oxide (Fe_2O_3)	3.5 %
Total (SiO_2) + (Al_2O_3) + (Fe_2O_3)	85.3 %
Sulphur Trioxide (SO_3)	0.4 %
Calcium Oxide (CaO)	8.7 %
Magnesium Oxide	0.8 %
Moisture Content	0.11 %
Loss on Ignition	2.22 %
Total Alkalies as Equivalent Na_2O	0.65 %

Physical Analysis

Fineness Retained on 45 μm (No. 325 Sieve)	19.9 %
Fineness Retained on 160 μm	1.1
Quality of Air Entrainment	1.0 %
Strength Activity Index with Portland Cement	
% of Control at 28 Days (<i>previous month's result</i>)	90 %
Water Requirement, Percent of Control	98 %
Density	2.28 g/cm^3
Density, Variation from Average	0.00 %
Fineness 45 μm Sieve, Variation from Average	3.26 %

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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