

# LIMECO, INC.

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## CHEMICAL ANALYSIS

Fly Ash: ASTM C-618-98 Specifications

<u>Component</u>		<u>Class C</u>	<u>Class F</u>
Silicon Dioxide (SiO <sub>2</sub> )	44.21		
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	14.28		
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	6.45		
Sum of SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , & Fe <sub>2</sub> O <sub>3</sub>	64.94	50 Min.	70 Min.
Magnesium Oxide (MgO)	1.99		
Sulfur Trioxide (SO <sub>3</sub> )	4.53	5.0 Max.	5.0 Max.
Moisture Content	0.15	3.0 Max.	3.0 Max.
Loss On Ignition	0.42	6.0 Max.	6.0 Max.
Available Alkalies as Na <sub>2</sub> O	0.33	A1.5 Max.	A1.5 Max.
Calcium Oxide (CaO)	23.56		
Free (CaO)			

## PHYSICAL ANALYSIS

Fineness: Amount retained on 325 sieve %	22.04	34% Max.	34% Max.
Water Requirements, % Control	108%	105% Max.	105% Max.
Specific Gravity	2.59		
Autoclave Expansion, %	-0.06	0.8% Max.	0.8% Max.
Strength Activity Index With Portland Cement, 7 Day	84%	75% Min.	75% Min.
28 Day	89%		