

# Chemical Composition Biomass Fly Ash: DC

## Grate-Firing Combustion\*

## Circulating Fluidized Bed\*\*

%DC	99.5	100
Al <sub>2</sub> O <sub>3</sub>	0.764	21.2
CaO	42.8	25
Fe <sub>2</sub> O <sub>3</sub>	0.376	0.52
K <sub>2</sub> O	13.8	4.43
MgO	4.22	3
MnO	1.28	1.2
Na <sub>2</sub> O	0.347	1.84
P <sub>2</sub> O <sub>5</sub>	3.75	2.29
TiO <sub>2</sub>	0.03	0.25
SiO <sub>2</sub>	4.56	28
Loss of Ignition	21	2.8

\*50% woodchips, 17% sawdust, 18% bark, 15% salix

\*\*82% woodchips, 16% bark, 1% sawdust, 1% waste treatment sludge

# Chemical Composition Biomass

## Fly Ash: MicroElements

### Circulating Fluidized Bed\*\*

### Grate-Firing Combustion\*

mg/kg

As	14.1	32.6
Ba	1650	2210
Be	2.7	<0.6
Cd	7.5	45.1
Co	8.7	11
Cr	95.4	20.3
Cu	258	130
Hg	0.1	<0.1
Pb	129	40.5
S	15200	19100
Sr	667	867
Zn	1900	4350

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