

AN ANALYSIS OF SLAG FROM IGNITED GARBAGE.

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The sample analyzed was prepared, under the direction of Dr. C. F. Chandler, by roasting and then igniting street sweepings and garbage, until all carbonaceous matter had disappeared. The analysis was made according to the methods of the late F. A. Cairns.

The results were as follows :

Silica	60.65
Alumina	12.88
Ferrous Oxide	3.13
Lime	14.21
Magnesia	1.93
Sulphuric Acid (SO_3)	1.24
Phosphoric Acid (P_2O_5)77
Potassa	1.79
Soda	2.36
Carbon Dioxide and loss	1.04
	100.00

The large percentage of silica is due to the wear of the street pavements and the alumina and lime to coal ashes ; probably some of the alkalies were volatilized.

The analysis, as a whole, shows that the product could not be economically utilized as a fertilizer, as steam-packing, or for making cement.