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The Removal of Organic Sulfur from Two Turkish Lignites by Chlorinolysis

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Abstract: The removal of organic sulfur from two Turkish lignites by chlorinolysis with chlorine gas in water and water-carbon tetrachloride media at ambient pressure was examined. The effects of stirring speed ($5-20 \text{ s}^{-1}$), particle size (250-425, 150-180 and 74-88 $\mu \text{ m}$), temperature (13-70°C) and time (0-10800 s) were investigated. Significant portions of the organic sulfur in the coal samples were removed.

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