

AN ABSTRACT OF A THESIS

A LABORATORY METHOD FOR MEASURING THE
RATE OF LIMESTONE DISSOLUTION

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Master of Science in Chemical Engineering

The rate of limestone dissolution in dilute hydrochloric acid was measured using a conductivity technique. The relationship between conductivity and calcium-ion concentration was shown to be linear and was measured using pure calcium carbonate. The rate of limestone dissolution was found to be dependent upon the concentration of hydrogen-ion and the size of the limestone particles.

A LABORATORY METHOD FOR MEASURING THE
RATE OF LIMESTONE DISSOLUTION

A Thesis

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CERTIFICATE OF APPROVAL OF THESIS

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