

AN ABSTRACT OF A THESIS

ADSORPTION OF IODINE ON 3A MOLECULAR SIEVES  
IN THE PRESENCE OF NO<sub>2</sub>

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Master of Science in Chemical Engineering

An apparatus was designed and constructed to study the adsorption of iodine on molecular sieves in the presence of NO<sub>2</sub>. Results indicated that iodine is probably irreversibly trapped on 3A molecular sieves.

Serious corrosion problems were encountered from stainless steel, thus questioning the use of this material. Suggestions and improvements in the experimental apparatus are presented which should lead to more reliable operations.

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by  
Vivek D. Kamat

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CERTIFICATE OF APPROVAL THESIS

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