

An Infrared Study of the CaA Zeolite Reacted with CO₂

F. Uçun

Physics Department, Faculty of Arts and Sciences, Süleyman Demirel University, Isparta, Turkey

Reprint requests to Dr. F. U.; Fax: +90-246-237 11 06;
E-mail: fucun@fef.sdu.edu.tr

Z. Naturforsch. **57a**, 283–284 (2002);
received April 24, 2002

An infrared study was made on the CaA zeolite reacted with CO₂ gas. It was found that a carbonate ion (CO₃²⁻) is formed by binding of CO₂ to an oxygen, and this carbonate ion coordinates to a Ca²⁺ cation in the zeolite in the unidentate way.

Key words: IR; CO₂; CaA Zeolite.