

A new technique for quantitative separation of quartz from feldspars

P. Iacumin¹ and C. Quercioli²

¹ Dipartimento di Geologia, Università di Padova, Italy

² Dipartimento di Geologia, Università di Roma, Italy

This rapid and effective technique is particularly useful in the separation of silicate for oxygen isotope analysis, since whenever thin pure quartz samples are needed.

Key words: mineral separation; HF-etching; magnetic separation; pure quartz.

Introduction

The final separation used for obtaining pure

quartz from feldspars is achieved by shaking
with the etched mineral sample and shaken in a
closed vessel. Magnetite powder does not adhere
to the smooth quartz crystal surfaces. On the con-

