

Reply to Torkar and Krishner's Comment on "A New Alumina Hydrate, Tohdite"

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(Received March 1, 1966)

In reply to Torkar and Krishner's comment on our article "A New Alumina Hydrate, Tohdite," we would like to mention as follows.¹⁾

In our article we gave the chemical composition $5\text{Al}_2\text{O}_3 \cdot \text{H}_2\text{O}$ as well as the atomic arrangement of the alumina hydrate. We now realize that at least two articles appeared on the alumina hydrate

in question before the publication of our article.^{2,3)} In these articles, however, the chemical composition and the structure are not explicitly stated. Because of the fact that the alumina hydrate has a spinel structure of low symmetry, a further investigation will be of value.⁴⁾

1) G. Yamaguchi, H. Yanagida and S. Ono, *This Bulletin*, **37**, 752 (1964).

2) K. Torkar and H. Krishner, *Ber. deut. keram. Ges.*, **39**, 13 (1961).

3) S. Aramaki and R. Roy, *Am. Mineralogist*, **48**, 1322 (1963). The X-ray data of AS(H)-1 in this article correspond to those of Tohdite.

4) G. Yamaguchi, H. Yanagida and S. Ono, *This Bulletin*, **37**, 1556 (1964); *ibid.*, **38**, 1226 (1965).