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ACKNOWLEDGMENT

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REFERENCES

Barker, W.W., Welch, S.A., and Banfield, J.F. (1997) Biogeochemical weathering of silicate minerals. pp.391- 428 in: *Geomicrobiology: Interactions between Microbes and Minerals* (J.F. Banfield and K.H. Nealson, editors). *Reviews in Mineralogy*, **35**, Mineralogical Society of America, Washington D.C.

Brindley, G.W. (1965) Complexes of primary amines with montmorillonite and vermiculite. *Clay Minerals*, **6**, 91-96.

Farmer, V.C., Mchady, W.J., Palmieri, F., Violante, A., and Violante, P. (1991) Synthetic allophanes formed in calcareous environments: Nature, conditions of formation, and transformations. *Soil Science Society of America Journal*, **55**, 1162–1166.

ILER, R.K. (1979) *The Chemistry of Silica*. John Wiley & Sons, New York, 866 pp.

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FIGURE CAPTIONS

FIG. 1. XRD profiles of clay minerals in sample A.

FIG. 2. XRD profiles of clay minerals in sample B.

FIG. 3. XRD profiles of clay minerals in sample C.

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FIG. 1. XRD profiles of clay minerals in sample A.

TABLE 1. Chemistry of clay minerals.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Sample A | Sample B | Sample C | Sample D |
| ABCD | 15.2522.5556.2211.28 | 13.2552.5213.7231.25 | 18.26 0.5710.25 0.11 | 39.0189.9222.38 5.45 |

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