

**LA MINERALOGÍA EN LA CARACTERIZACIÓN DE NIVELES DE TEFRA S EN LA
PAMPA INTERSERRANA, PROVINCIA DE BUENOS AIRES**

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Abstract

In tephra layers their mineralogical composition is a good correlation element. In Buenos Aires Province, several distal tephra layers are interbedded within Late Cenozoic loessic sequences rich in pyroclastic material. The studied layers are vitroclastic with less than 5% of crystals and coarse silt in grain size. The co-magmatic minerals are: plagioclase, alkali feldspar, quartz, clino-orthopyroxenes, opaques, amphiboles, biotite, zircon and apatite. The felsic minerals are more abundant than the mafic ones.

The presence of detritic pyroclastic material of the loess along with the small grain size of some of the minerals make difficult the characterization of the primary mineralogical association. Nevertheless the distinctive mineralogical association and the relative proportions of some of the co-magmatic minerals in each layer can be used as a correlation criteria.