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Working

Micromorphological thin section manufacture AMBI Lab, Universidad de La Laguna, Tenerife, Spain

Lucia Leierer¹, Caterina Rodríguez¹, Carolina Mallol¹

¹Universidad de La Laguna

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Paleochar ERC



Lucia Leierer
Universidad de La Laguna



ABSTRACT

Protocol for the manufacture of micromorphological thin sections performed at AMBI Lab, Universidad de La Laguna, Tenerife, Spain.

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

- 1 Oven drying of intact sediment blocks at 60 °C for 48:00:00
- 2 Impregnating of sample with a 7:3:0.1 ratio of a mixture of of polyester resin (Palatal strained resin UN1866, TNK composites), styrene (Styrene monomer (CAS: 100-42-5) UN2055, TNK composites) and a catalyzer (Methyl-ethyl-ketone (Luperox, CAS: 78-93-3), TNK composites)
- 3 After hardening, cutting of the blocks into 1 cm-thick slabs using a Euro-Shatal M31100 radial saw
- 4 Glueing onto 9 cm x 6 cm glass slides
- 5 Trimming to 1mm thickness using a Uniprec ATA Brilliant-220 precision cutting machine
- 6 Grinding to 30 µm thickness using a G&N MPS-RC-Geology grinding machine



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