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The invention relates to a method of determining the normal domain of water equilibrium variation of the wood probes, on the basis of which it is determined a series of characteristics used for authentication and compatibility study of wood working used for artistic purposes or for certain old wood reduction and preservation works.
The method includes sampling of the material, preliminary dehydration thereof at an atmospheric humidity of at most 10% HR, up to a constant mass, subsequent hydration of sample at an atmospheric humidity of at least 90%, up to a constant mass, with periodic weighting, afterwards there follows dehydration under the same conditions (HR<10%) up to a constant mass with periodic weighting, tracing of hydration and dehydration curves according to data obtained at weighting, determination of the normal variation of water equilibrium, contained in the limits of the indicated curves.
The result consists in the clear delimitation of the normal domain of water equilibrium variation by determining the reversible hygroscopicity using a simple equipment accessible for any laboratory, irrespective of fitting-out.

Claims: 3