

THE IMPACT OF THE TREATMENT WITH CÂMPENI RED PETROLEUM ON A XVIII-TH CENTURY ICON

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Abstract. This paper presents the study regarding the impact of the treatment with Câmpeni red petroleum on an XVIII-th Century icon made of wood, with the aim of active preservation and restoration. In accomplishing this endeavour, there were applied non-invasive techniques of analysis based on optical microscopy (OM), Scanning Electron Microscopy (SEM) coupled with Energy Dispersive X-ray analysis (EDX), micro-FTIR and colorimetry CIEL*a*b*. A series of chemical, physical-structural and mechanical characteristics of the wood were traced, in order to assess the degree of preservation enhancement as a result of the applied treatment.

Keywords: old icon, conservation state, preservation, restoration.

Received: 02 April 2017/ Revised final: 05 June 2017/ Accepted: 09 June 2017