

XRF. Also the presence of chrome yellow and orange could be proven, also all pigments available to artists at the end of the 19th century. Finally in the sampled pigment grains also one synthetic organic pigment (SOP) was found. First SOP are discovered by the last quarter of the 19th century, but especially in the 20th century a vast number of them were synthesised and commercialised and found their way to artists paints. The green pigment found here was identified as Acid Green 1, discovered in 1883 and described as pigment for artists in 1892.

Finally one cross section was studied with optical microscopy and SEM-EDX. The ground consists of a chalk layer mixed with zinc white, followed by an *imprimatura* layer composed of lead white, and the paint layer(s).

To conclude, no pigments were found in contradiction with a creation date of 1893-1896.



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