

Investigation report n° 28468

Bové RJM Overpelt, 26 feb 2016

Attn: Mr. Ralf Kotalla
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GERMANY

Object: Dish with spider web design on beige background.

Identification :

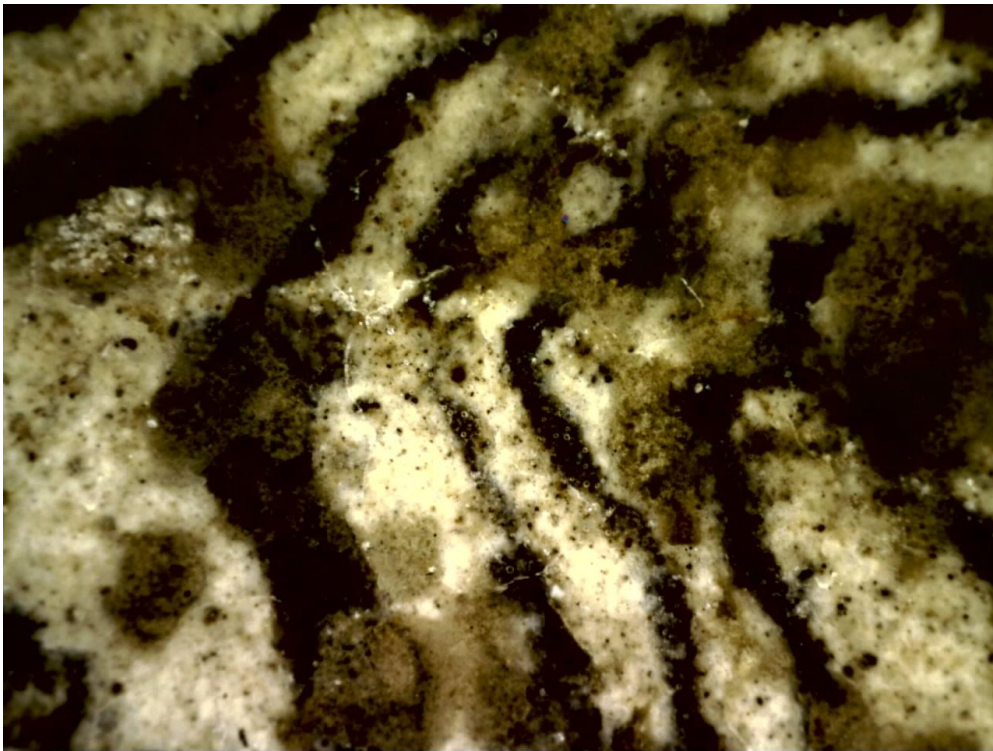
Description: Chinese dish with a black spider web design on a beige background



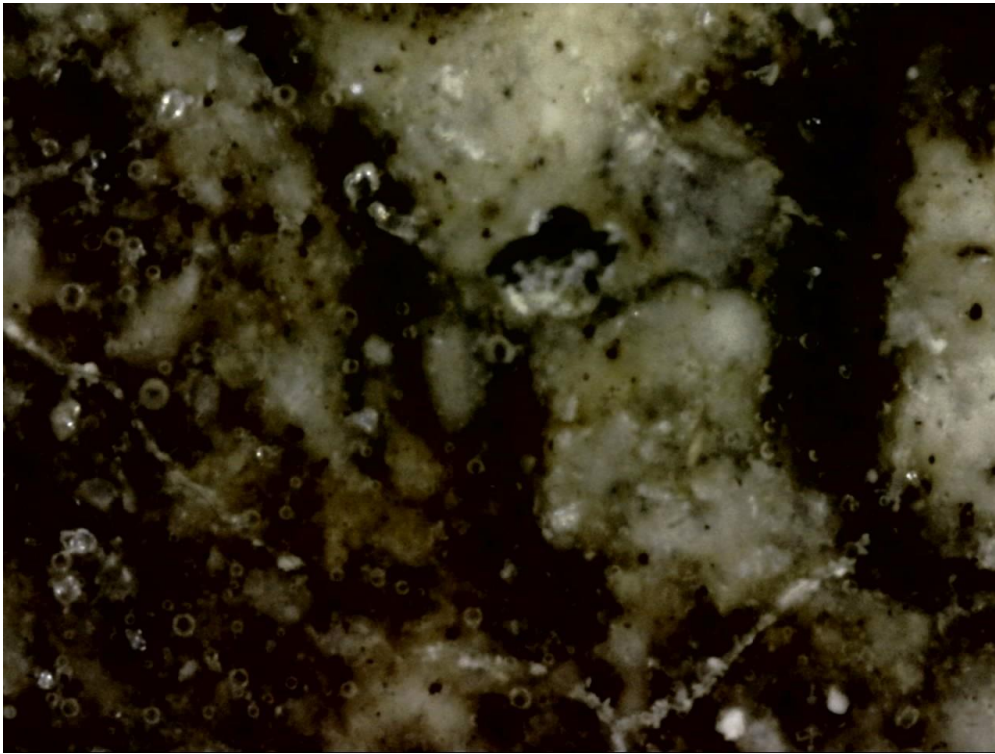
Observations:



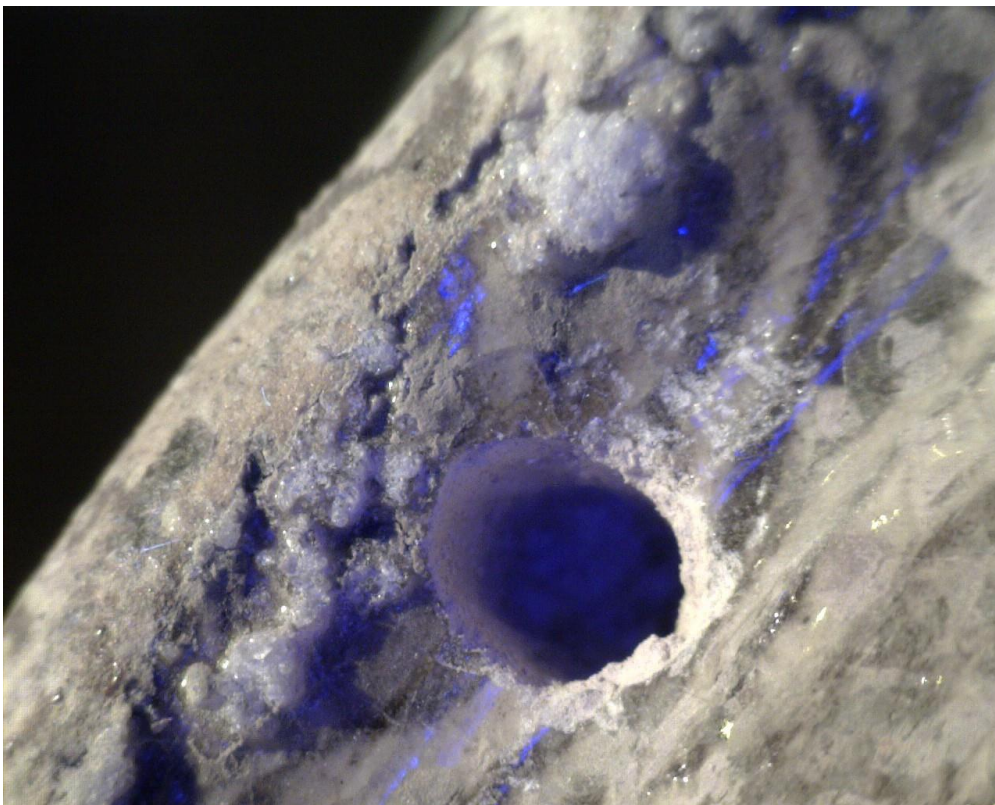
Mechanized foot rim, totally painted and glazed.



Black hand painted decoration overglazed.



19th century litharge overglaze with gas bubbles.



Core drilling hole (2mm). Impurities not visual detectable. (UV-observation)
No design into the core likewise medieval comparable objects.
Blue fluorescence of zinc oxide traces (underglaze).
ZnO is produced since the middle of the 19th century.

Core analysis by ICP-OES (fused dissolution HF HClO₄)

Ident	% SiO ₂	% Al ₂ O ₃	% Fe ₂ O ₃	% K ₂ O	% Na ₂ O	% CaO	% MgO
28465	67,1	26.9	0.69	2.22	1.92	1.01	0.16

References:

Period	% SiO ₂	% Al ₂ O ₃	% Fe ₂ O ₃	% K ₂ O	% Na ₂ O	% CaO	% MgO
Ming	71,6 - 76,0	18,3 - 21,2	0,7 - 1,6	2,8 - 4,2	0,15 - 2,0	0,3 - 1,2	0,15 - 0,3
Song	75 - 77,8	16,3 - 18,7	0,6 - 1,1	2,3 - 3,2	0,4 - 2,5	0,4 - 1,3	0,1 - 0,6
Qing	65,5 - 70,3	23 - 30	0,7 - 1,35	1,3 - 3,4	0,3 - 2,5	0,3 - 1,6	0,1 - 0,3

Remarks:

Manufactured in the 19th century (late Qing period).

The design of the painting going back to the Song dynasty but is reproduced in the later periods (Ming and Qing)

Overpelt, 25 feb 2016



Raymond Bové

