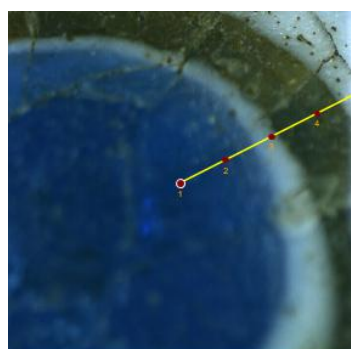


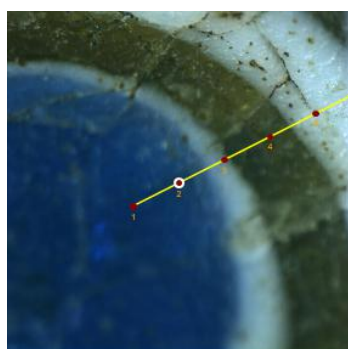
# Supplementary Materials

## Measurement positions of eye glass bead HXX-M10 in chemical composition analysis by $\mu$ -XRF



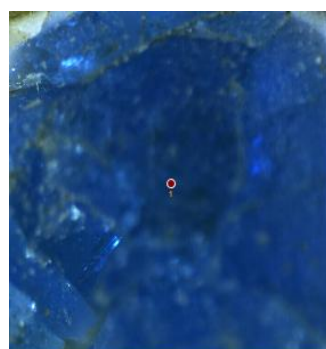
0.5 mm

Dark blue 1



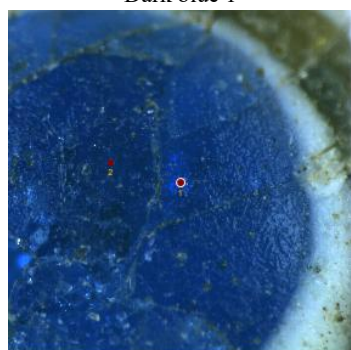
0.5 mm

Dark blue-2



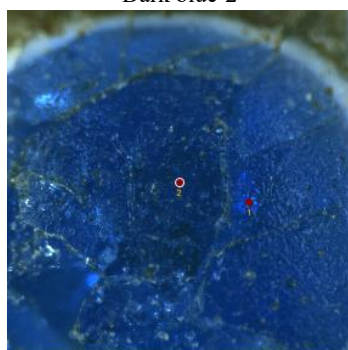
0.5 mm

Dark blue-3



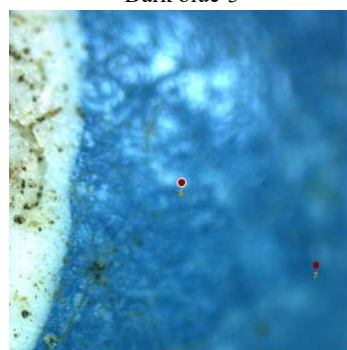
0.5 mm

Dark blue-4



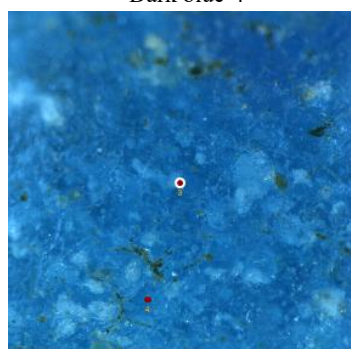
0.5 mm

Dark blue-5



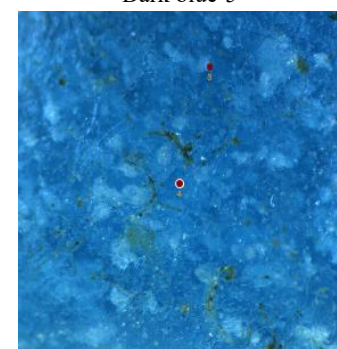
0.5 mm

Turquoise blue-1



0.5 mm

Turquoise blue-2



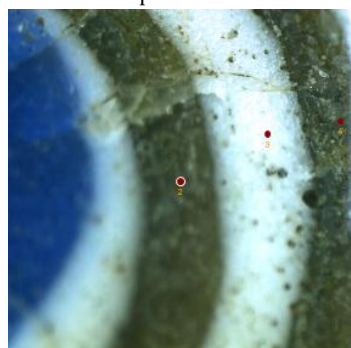
0.5 mm

Turquoise blue-3



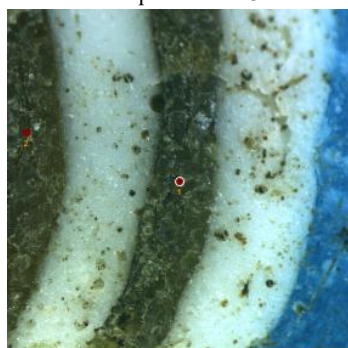
0.5 mm

Brown-1



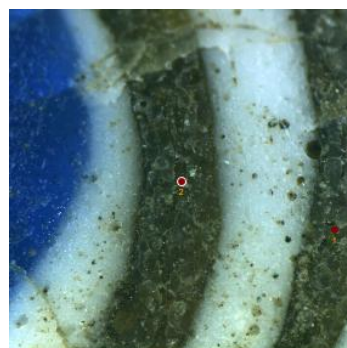
0.5 mm

Brown-2



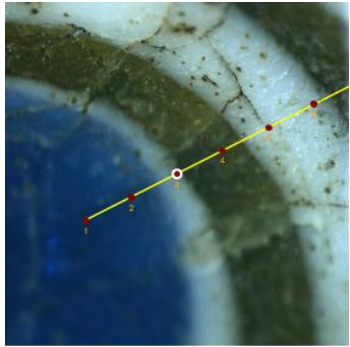
0.5 mm

Brown-3

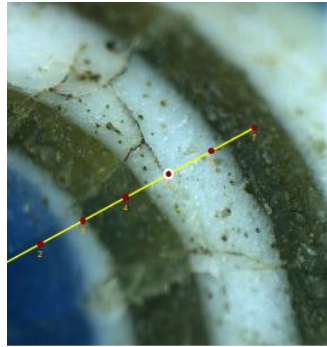


0.5 mm

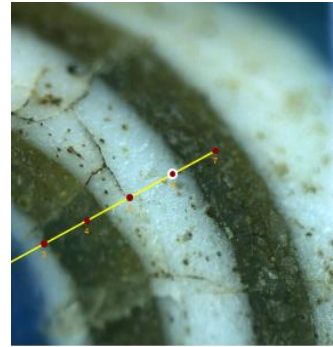
Brown-4



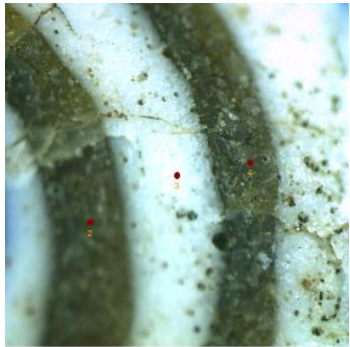
White-1



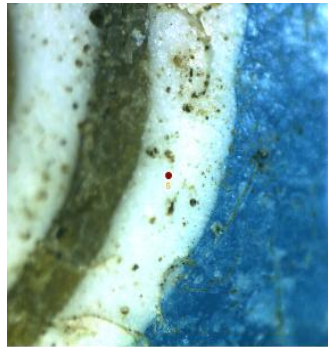
White-2



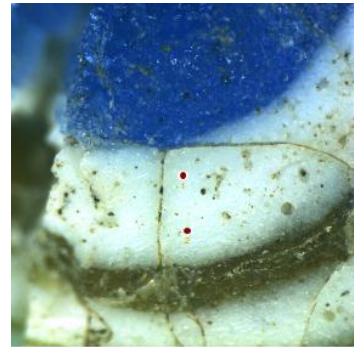
White-3



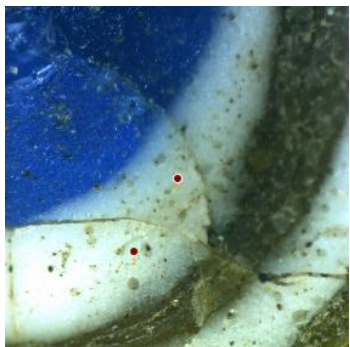
White-4



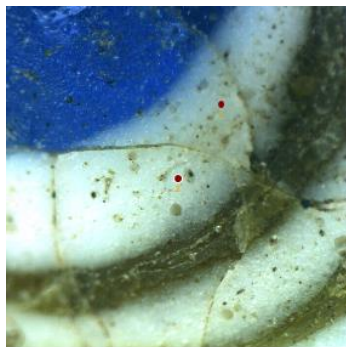
White-5



White-6



White-7



White-8



Mapping region