Museum of King Jan III’s Palace at Wilanów is a custodian of antiques collection decorated with chinoiserie by outstanding Saxon artist, Martin Schnell. Nowadays, among works of Martin Schnell preserved in Wilanów collection, decoration of the King’s Chinese Cabinet in the main part of the palace and some various pieces of furniture (secretaries and cabinets) are the most valuable. The aim of the paper was the comparison of selected antiques of the Schnell authorship from Wilanów collection with one showpiece (a cabinet drawer) from National Museum in Warsaw (MNW), which authorship, due to apparent likeness of style and technology, could be also attributed to the master workshop. The LIBS method was used in experiments while multivariate statistical (factorial) analysis was applied in measurement results processing. Alloy components of metal fixtures were identified and pigments used in color decorations from examined artworks were determined. Initial research results revealed, however, pretty dissimilarities in material and technology characteristics between Wilanów antiques and the object from the MNW. The hitherto results imply necessity of additional investigations with the use of larger set of diagnostic methods in order to confirm presented results and final determination the MNW object authorship.

Keywords: LIBS, factorial analysis, artworks of Martin Schnell