Appendix I  Paint samples of *Bacchus and Ariadne*

Location of paint sampling
Polypol and easysections; studied with light microscope with magnification 100, 200 and 500; darkfield – (DF), brightfield – (BF) and ultra violette radiation (UV).

Paint cross-section 1  Lower abdomen of Ariadne (26,7 cm → 49 cm ↑)

DF 200x  UV 200x
5 Thin layer of lead white, chalk and discoloured smalt.
4 Layer of lead white, chalk, vermilion, red lake, yellow ocher, calcium phosphate, particle of quartz and bone black.
3 Two layers of lead white and vermilion with medium layer in between.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.

Paint cross-section 2  Flesh colour of Ariadne, arm, high light (43,3 cm → 111,3 cm ↓)

BF 200x  UV 200x
5 Light pink layer with lead white and vermilion.
4 Light pink layer with lead white and vermilion with on top a medium layer.
3 Pink layer with lead white and vermilion with on top a medium layer.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
0 Fluorescent layer (glue).

Paint cross-section 3  Flesh colour of Ariadne, chin, shadow (32,8 cm → 99 cm ↓)

BF 200x  UV 200x
4 Grey layer with lead white and vermilion, red lake and black pigment, probably bone black.
3 Pink layer with lead white and vermilion.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
Paint cross-section 4  Flesh colour of Bacchus, arm, shadow (31,5 cm ← 82 cm ↓)

5 Very light pink layer with lead white, some red earth pigment and black pigment, probably bone black.
4 Light pink layer with red lake on aluminum substrate, chalk and red earth pigment.
3 Light brown layer with a red lake, a red earth pigment, chalk and lead white.

5 Thin red layer with little or no lead white and some red pigment.
4 Light pink layer with lead white and red earth pigment.
3 Red layer with red earth pigment, a red lake and lead white with on top a medium layer.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.

Paint cross-section 6  Flesh colour of Bacchus, chest, high light (45,7 cm → 94,4 cm ↓)

4 Layer with probably lead white, a red lake, earth pigment and chalk.
3 Layer with lead white, a little red earth pigment and bone black.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
Paint cross-section 10  Blue, transparent overpaint on arch (34,2 cm → 14,9 cm ↓)

DF 500x
UV 500x

6 Varnish
5 Fluorescent transparent layer with Prussian blue.
4 Fluorescent layer (varnish).
3 Indigo with lead white, some chalk and a particle of vermilion.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
0 Fluorescent layer (glue).

Paint cross-section 11  Blue, transparent overpaint on arch, less concentrated (32 cm → 13 cm ↓)

BF 500x
UV 500x

5 Fluorescent transparent layer of Prussian blue.
4 Fluorescent layer (varnish).
3 Indigo with lead white, some chalk and a particle of vermilion.
2 Ground layer with lead white, umber and chalk.
Paint cross-section 12  Blue sky in the arch, original (37,3 cm → 11 cm ↓)

BF 500x  UV 500x

3 Indigo with lead white, some chalk and a particle of vermilion.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.

Paint cross-section 13  Area left from the blue arch (18,2 cm → 5,1 ↓)

BF 500x  UV 500x

3 Grey layer with white, black, red and blue (indigo?) pigment.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.

Paint cross-section 14  Area to the right of indigo, dark sign (32,7 cm ← 6,3 cm ↓)

BF 500x  UV 500x

3 Indigo with lead white, some chalk, vermilion and some black pigment.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
Paint cross-section 16  Blue garment of maenad to the right of Bacchus (23.5 cm ← 78 cm ↑)

DF 200x
UV 200x

8 Residue of varnish.
7 Indigo with probably lead white and some chalk.
6 Red layer.
5 Thin brown red layer.
4 Dark brown layer with on top a medium layer.
3 Dark red brown layer with on top a medium layer.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.

Paint cross-section 18  Purple garment top left, high light (3 cm → 35 cm ↓)

BF 500x
UV 500

5 Grey layer with particles of discoloured lake, some bone black and lead white.
4 Purple layer with purple and red lake with red ochre and lead white with on top a medium layer.
3 Grey layer with bone black and lead white.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.

Paint cross-section 19  Purple garment, dark area (17 cm → 74 cm ↓)

BF 500x
UV 500x

4 Layer with a very fine black pigment, probably lamp black, bright red earth pigment, lead white and a red lake.
3 Layer with lead white, a red pigment and black with on top a medium layer.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
0 Fluorescent layer (glue).
Paint cross-section 20  Purple cloud top left (12 cm → 27,5 cm ↓)

BF 500x  UV 500x

4 Red grey layer with red earth pigment, lead white and a brown earth pigment.
3 Grey layer with lead white, brown earth pigment and a black pigment, probably bone black.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.
0 Fluorescent layer (glue).

Paint cross-section 21  Brown rock top right (32,3 cm ← 25,4 cm ↓)

BF 500x  UV 500x

4 Red layer with lead white and a bright red earth pigment.
3 Layer with black pigment, fine red pigment and lead white.
2 Ground layer with lead white, umber and chalk.
1 Ground layer with umber, chalk and red earth pigment.