Figure 9:

SEM images of an anodised (250 V, 0.125 Abold dotcm−2, 3 min) aluminium substrate after a treatment with the He-plasma jet (a). The treatment duration amounts to 5 min. Zoomed SEM images and EDS spectra measured on surface of the treated substrate area (b). The zoomed image and the EDS spectra of an erosion crater (c) show the surface structure and material composition, respectively. A thin gold layer with a thickness of approximately 13 nm is deposited to exclude overcharging of the substrate surface during electron microscopy.

EDS Graph: x [E/keV], y [EDS intensity/a.u.]