



Figure 1: SEM and EDS of spray coated Y₂O₃ on SS304 coupons at 500x magnification. Inset) 1st coat of Y₂O₃ after thermal annealing in air at 600 °C (black border) has patches of exposed SS304. The 2nd Y₂O₃ coat fills in patches (red border), and the attenuation of Cr, Fe, and Ni peaks appear on the EDS spectrum.