

Electron Micro Probe, JEOL JSM 8100LV, non-coated samples

Batch 1: $\text{Fe}_3\text{O}_4@ \text{SiO}_2@ \text{Yb}_2\text{O}_3$: Fe 40.6 % Si 15.7 % Yb 3.0 %

Batch 2: $\text{Fe}_3\text{O}_4@ \text{SiO}_2@ \text{Yb}_2\text{O}_3$: Fe 41.1 % Si 13.0 % Yb 2.2 %

