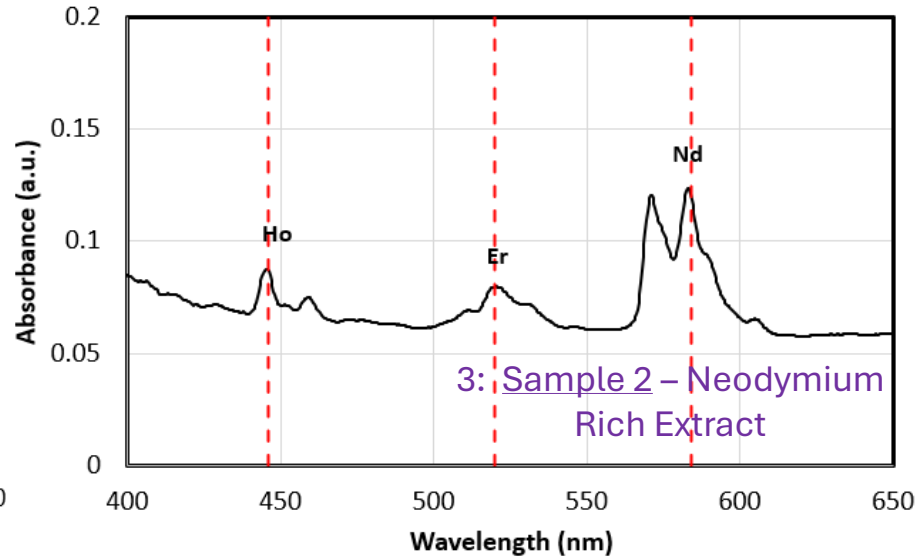
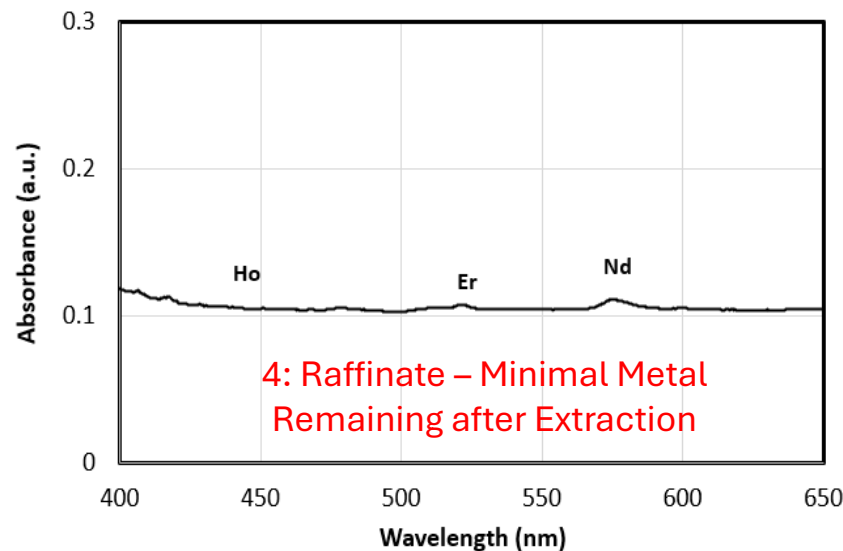
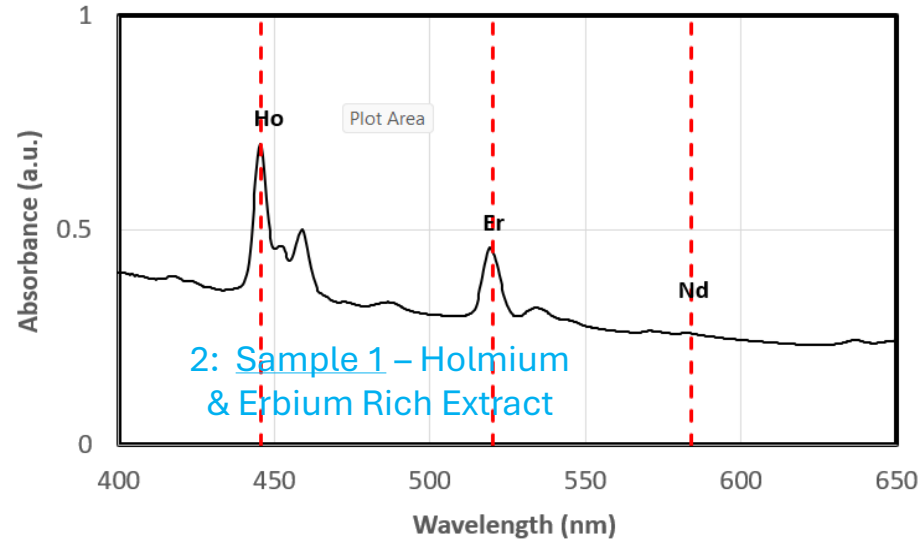
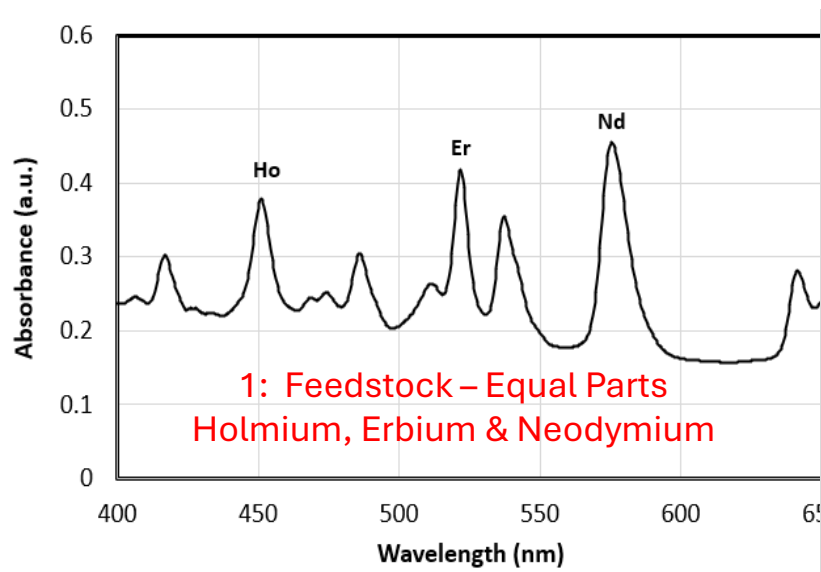


# Supercritical Fluid Selective Extraction of Holmium/ErbiuM from Neodymium

## Analysis of Samples by UV-Vis Spectroscopy

Ho: Holmium  
Er: Erbium  
Nd: Neodymium



Mining wastes can contain valuable light rare earth elements such as Holmium, Erbium and Neodymium. Neodymium, with a trade price of approximately \$45/pound is especially sought after, as a main component in powerful permanent magnets used in EV motors and wind turbines, among other industries.

In this thoughtfully designed experiment, CF Tech was able to first selectively extract the Holmium and Erbium from the Neodymium, and then extract the Neodymium in high yield.

CF Technologies, Inc. (Boston, MA) seeks partners as they continue to expand this economical process to extract and separate rare earth elements from natural matrices, such as compositions present in mining waste streams, at high purities.

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