

White Paper

QuantumLeap-H2000™ Lab Fluorescence XAS

For samples with low concentrations and heavy matrices

Traditional laboratory systems are not equipped to measure fluorescence mode XAS (f-XAS), an important technique for analyzing elements with concentrations below 5% or thick samples. In this white paper, we discuss how Sigray QuantumLeap H2000 is designed to enable f-XAS for elements at concentrations as low as 0.1wt%. We also demonstrate the system's f-XAS capabilities on challenging battery and catalyst samples that other systems cannot analyze using transmission XAS.

This white paper describes the capabilities of the QuantumLeap-H2000™, the only f-XAS system on the market.