

### **Nickel-59/63**

Nickel is separated from the prepared sample solution by anion-exchange followed by the use of a nickel-specific resin. Nickel-59/63 in the purified fraction is measured by liquid scintillation counting. Nickel-63 of known activity concentration was used to determine the counting efficiency. As there are no commercially available nickel-59 standards a conservative estimated counting efficiency is used. Stable nickel, measured by inductively-coupled-plasma mass spectrometry, is used to monitor the chemical recovery.