

*Neutraceuticals: Analysis by ICP-MS with CRI Interference Management*

The Dietary Supplement and Nonprescription Drug Consumer Protection Act of 2006, in conjunction with the Bioterrorism Act of 2002, mandated the annual certification of analysis of all imported dietary supplements (“Neutraceuticals”) and strengthened the Dietary Supplement Health and Education Act of 1994. While ICP-OES is an analysis technique of choice for determination of elements in multivitamins/multiminerals and nutritional supplements, Inductively Coupled Plasma Mass Spectrometry (ICP-MS) is gaining acceptance. Results from these two techniques on digestates of 3 different neutraceuticals will be compared. Additionally, effectiveness of the Varian ICP-MS Collision Reaction Interface Interference Management tool to remove polyatomic interferences on some elements in these neutraceuticals will be presented.

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