

PASSED

MOTION: METALS METHOD ADAPTATIONS

This motion adopts the following adaptations to the SW-846 Methods 6020B and 6010D, and any subsequent newer versions, required for use for testing cannabis and cannabis products:

1. Ultra high-purity or equivalent acids must be used in the preparation of standards and for sample processing. Redistilled acids are recommended because of the high sensitivity of ICP-MS. It is recommended that the final nitric acid concentration used is between 2-5% (v/v) to minimize damage to the ICP/MS interface and to minimize isobaric molecular-ion interferences with the analytes. Other acid concentrations are acceptable if they are documented in the lab's internal SOP and all performance criteria are met.
2. All analytical standards and solutions are required to be NIST Traceable or equivalent.
3. It is HIGHLY recommended to use CRM and/or SRM materials when available for method development, trouble shooting and for optional additional QC.
4. It is recommended that the lab follow the QC guidance in the EPA SW-846 methods; however, changes to QC criteria at the project level may be set by the regulatory agency and/or data users as long as the minimum QC requirements written in the methods are followed. More QC is allowed, but less is not.

5. Instruments must be calibrated using a minimum of a four-point curve (no blanks can be used as a point). The correlation determination (r^2) should be ≥ 0.990 or the correlation coefficient (r) should be ≥ 0.995 . Use Linear Regression with $1/x$ or no weighting. Forcing the curve through zero is not allowed.