



GOVERNMENT LABORATORY OF HONG KONG (GLHK)  
HONG KONG ACCREDITATION SERVICES (HKAS)  
APLAC PROFICIENCY TESTING PROGRAM ON METALS IN BOVINE LIVER  
(APLAC T077)



**INSTRUCTIONS  
(FOR PARTICIPATING LABORATORIES)**

**1. SAMPLE**

- (a) Participating laboratories will be given TWO amber sample bottles containing about 5 g of dried bovine liver powder from the organizers or via their respective accreditation bodies (AB).
- (b) Upon receipt of the sample, participating laboratories should carefully inspect the sample for any physical damages and defects.
- (c) Participating laboratories shall promptly acknowledge receipt of the sample by returning the "Receipt Form (for Participating Laboratories)" electronically to the GLHK to T77@govtlab.gov.hk. New samples will be replaced for any damaged claims.
- (d) Intact sample is recommended to be stored in a secure environment at room temperature (around 25°C) before use. Sample should be immediately tightly capped after used and be kept in a dry box when not in use.

**2. ANALYSIS**

- (a) Participants are required to determine the concentration (in **mg/kg**) of FOUR metals - Fe, Zn, Cd and Pb in the sample on an as-received basis. The concentration ranges were as follows:

Element	Concentration Range (mg/kg)
Iron (Fe)	100 to 1000
Zinc (Zn)	100 to 1000
Cadmium (Cd)	0.1 to 1
Lead (Pb)	0.1 to 1

- (b) Participants are expected to use the test method of their choice, which should be consistent with their routine procedures (could be accredited, in-house, etc.) and record the method used on the "Result Proforma".

**3. RESULTS**

- (a) Report all the data and the arithmetic mean in Part I of the "Result Proforma".
- (b) Estimate and report the expanded uncertainty ( $\pm$  mg/kg) and coverage factor for individual analyte.
- (c) Fill in the information of your analytical method used in Part II of the "Result Proforma".
- (d) Submit the results electronically to the organizer on or before 30 December 2010 to T77@govtlab.gov.hk using the soft copy of the "Result Proforma" provided. (Notes: 1. Results submitted after the deadline will not be accepted by the organizer. 2. Due to possible poor transmission quality, results returned by fax are generally not acceptable).

**4. ENQUIRIES**

Please contact the organizer at T77@govtlab.gov.hk for further enquiries concerning the program.