## APLAC T050 Prawn Nitrofuran Metabolites Proficiency Testing Program

Objective

The objective of this proficiency testing program is to evaluate the competence of laboratories for quantitative testing of nitrofuran metabolites in prawn samples.

Organization

The program will be coordinated by CNAS (China National Accreditation Service for Conformity Assessment), China.

Samples

Three prawn samples will be supplied to each participant. The samples will be sub-sampled from one gross sample and packaged in aseptic bags.

Homogeneity testing

Twelve bags from gross sample will be tested for homogeneity. The samples were prepared and tested by Technical Centre of Liaoning Entry-Exit Inspection & Quarantine Bureau (LNCIQ) of People's Republic of China. It has been accredited according to ISO/IEC 17025 and ILAC G13.

Tests

The participating laboratories will be requested to test four nitrofuran metabolites, 3-amino-2-oxazolidone (AOZ), 3-amino-5-morpholinomethyl-2-oxazolidone (AMOZ), 1-amino-hydantoin (AHD) and semicarbazide (SEM) in the samples.

Methodology

For testing each metabolite, routine methods should be preferably used, such as LC/MS or LC/MS$^n$ method. Other methods could also be used, however, the limit of detection should be better than 0.2 μg/kg.

Statistical analysis of results

Z-scores will be calculated to evaluate results reported by the participants, unless they will be inapplicable. Graphic technology will be used additionally.

Schedule for program

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| Aug, 2007 | Advise APLAC members, EA, IAAC and other contacts for participating |
| By Oct 25, 2007 | Accept nominated laboratories |
| Nov/Dec, 2007 | Dispatch samples to nominated laboratories |
| Jun 30, 2007 | Testing deadline |
| By Feb 28, 2007 | Issue interim report |
| By Apr 30, 2007 | Issue final report |