Boar Taint Detection Workshop
Bologna 28 October 2009

Aim of the workshop

The workshop will focus on both traditional analytical and immunological methodology and potential rapid methods for the analysis of the boar substances skatole and androstenone. The aim is to stake out analysis method harmonisation strategies, present the state of the art of novel potential rapid detection methods, to define industrial method performance specifications for sorting boar carcasses at the slaughter line and identify further research needs in the field. This will be realised by bringing experts from science and industry together in open discussions.

Topics to be covered:

- The need for harmonised skatole and androstenone analysis methodology
- Method harmonisation and standardisation strategies
- State of the art of potential rapid boar detection methods
- Industry view on existing novel methods and feasibility of their application/ acceptability by the industry
- Define industrial method specifications for rapid boar detection methodology

Programme

13:00-13:10 Welcome and introduction (John-Erik Haugen)

13:10-14:45 Presentations (10-15 min.) (Olena Doran)
1. The ALCASDE project and WP1 tasks (Olena Doran)
2. The need for harmonisation and standardisation of S and A methods (J.E. Haugen)
3. Critical review of traditional methods and their issues
   - LC methods (Annette Schäfer)
   - GC - androstenone methods (José Antonio Garcia Regueiro)
   - GC skatole - methods (Fran Whittington)
   - Immunological methods - (Ulrike Weiler)
   - Colorimetric skatole equivalent method (Claus Hagdrup)

14:45-15:00 Coffee break

15:00-16:30 Presentations (10-15 min.) (Olena Doran)
4. The ALCASDE proficiency test study (J.E. Haugen)
5. Methodological issues - sampling, quantification etc. (Ellen Dahl)
6. Rapid novel detection methods –state of the art
   - P-MS/SmartNose (Silvia Ampuero)
   - Solid phase detection Electrochemical methods (Adrian Crew)
   - Gas Phase – detection (FTIR-PA/ fast GC/biosensing (J.E. Haugen)
   - Gas-phase biomarker detection (Mark Bücking)
7. Industrial method performance needs/specifications for boar sorting at the slaughterline (Paul Pommeret)

16:30-17:30 Group discussions (mixed groups industry, stakeholders and scientists)
   Points for group discussion:
   Harmonisation and standardisation of. methods
   Potential rapid methods
   Industrial rapid method performance specifications
   Sorting criteria

Analysis time/speed
Carcass management
Other related issues..
Rapid methods – practical feasibility/constraints

17:30-17:45 Coffee break

17:45-18:00 Summaries group discussions (group chair)

18:00-18:30 Plenary general discussion (John-Erik Haugen)

18:30-18:40 Closing remarks (Olena Doran)