September 1, 2020

Update from the working groups

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Two working groups (more to follow…)

➤ UCOME
   – with work applicable to other wastes like tallow or waste fatty acids

➤ POME
   – and palm-derived wastes & residues in general

some slow down because of covid-19,
but catching up happening as we speak
Closer cooperation between industry & ISCC
Example: EWABA standard of transparency

**EWABA Standard**

1. Auditors shall be entitled to contact customers & suppliers to verify deliveries and documents
2. Report Quarterly MB into an industry database
3. Aim to use best available technology for traceability – digital docs, barcodes, GPS
4. Mutual acceptance of suspensions across Voluntary Schemes
5. Auditors trained on physical characteristics of unmixed oils and biofuels
6. Checks on "live consignments" to verify product identity
7. Physical identity tests when reliable and available
8. Classify risk factors
9. 2-3yrs maximum consecutive audits to limit commercial bias
10. ISCC self-declaration should contain waste volume and tel.nr
11. Threshold for PoO mandatory on site audit reduced (>10mt/month)

**ISCC**

1. Verification of the existence of Points of Origin
2. Mass balance & List of Points of Origin sent prior to the audit
3. PoO Self-declarations to include typical production & a contact telephone number
4. Submit individual GHG calculations to ISCC
5. Extra surveillance audits for higher risk supply chains +3 months, +6 months after initial certification
6. If a company has multiple storage sites, all Mass Balances must be audited
Novel UCO testing method

+3 year work with Portuguese University
EWABA technical working group assessed results

The Method:
- Identifies specific elements in molecular composition
  - UCO → contains particular component which originates when proteins are fried irrespective or original oil
  - Virgin vegetable oils → contains a particular component which disappears when proteins are fried
- Not triggered by heating oils = no cheating possible
...and more testing

Implementation of sector-broad fast photonic decision support systems for authentication of oils/fats

Dutch Oils & Fats Association (MVO)

Stakeholders are welcome to join this research project
Contact Frank Bergmans at MVO: bergmans@mvo.nl
Current state-of-the-art (i) – sensor and data fusion

Applications in testing phase (finish end 2020)
- cPO
- SFO
- RSO
- SBO

Untargeted and targeted screening
DB only suitable for Ocean scanners

Current state-of-the-art (ii) – Concept scanner

- Fusion of VIS, FLUO, NIR
  - EVOO
  - RVOO
  - OPOs
  - Mixtures

- Untargeted screening

Detecting food fraud in extra virgin olive oil using a prototype portable hyphenated photonics sensor https://doi.org/10.1093/jaoacint/qsaa099
www.phasmafood.eu
Working group: palm-derived wastes & residues
October Asian Technical Committee meeting

Proposed for new guidelines for POME certification with ISCC

Presented by

Dr Sive Sivandran
PT. Indo Energy Solutions
Indonesia

POME is only the beginning!
What’s next?

➢ EU-wide database
➢ System hopping stopped – naming & shaming continues
➢ ISCC & industry continuous co-operation with supervisory authorities: numerous vessels arrested to check irregularities
➢ EU Commission to impose improvements on all schemes

➢ Covid-19 slowed us down...
➢ We now need to share experience of implemented measures
➢ Get more auditors to participate
➢ ...
Thank you!

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