Current and Future Analytical Methods for Mineral Oil in Food Supply Chain Control and Mitigation

About the workshop

Mineral oil hydrocarbon (MOH) is an important emerging issue locally and globally. Having excellent miscibility with oils and fats, MOH contaminants could enter the supply chain from many sources and the detection of MOH is important for preventive and mitigation purposes. Despite the potential health concern caused by Mineral Oil Aromatic Hydrocarbons (MOAH) and/or Mineral Oil Saturated Hydrocarbons (MOSH) and these had been regulated by European Commission, accurate quantitation of MOAH and MOSH is still a challenging task. This is especially critical for supply chain control of MOSH/MOAH and these can be transfer down from raw ingredients to final food products. The AOAC Southeast Asia Section (AOAC SEA), the Indonesian Food and Drug Authority, (Badan BPOM), and the Indonesian Pharmaceutical and Food Supervisors Professional Organization (PFMI) recognized its importance and collaboratively organized this workshop to increase the state of knowledge on MOSH MOAH analysis for Southeast Asia region.

Register Now

Before 31st Aug 2025

Title	International Workshop for MOSH MOAH Analysis - Current and Future Analytical Methods for Mineral Oil in Food Supply Chain Control and Mitigation
Date	10-11 September 2025
Venue	Royal Ambarrukmo Hotel, Yogyakarta Indonesia
Fees	S$250 per pax (Register at the link in the QR)

Day 1 Program *(tentative)*

Date	Program
10 September 2025	Registration
	Opening Speech - AOAC SEA President & Director from BPOM/ Head of PFMI
	Keynote speech: Evolving MOH regulatory requirements in EU and analytical solutions part 1
	Keynote speech: Evolving MOH regulatory requirements in EU and analytical solutions part 2
	Tea break
	New emerging food contaminant regulation in Indonesia
	International network/collaboration for gaining testing capacity in food control area
	Food safety toxicological assessment of emerging contaminants of MOH and future regulation
	Integrated solution for quantitative mineral oil analysis using online sample preparation combined with LCxGC-FID
	MOH instrumental analysis
	Morning speaker token appreciation
	Lunch break
	New epoxidation approach – how to prevent/minimize the loss of larger number of ring MOAH
	Use of GC-GC-ToF-MS/FID for quantitation/qualification ---when, what matrix, and why
	Characterization of the MOSH and MOAH fraction by GC×GC-FID/MS
	Sources of MOH contamination in food supply chain and mitigation suggestion
	Tea Break
	Round table discussion MOH control, management and mitigation from beginning to end across the whole supply value chain
	Afternoon speaker token appreciation

Day 2 Program *(tentative)*

Date	Program
11 September 2025	Day 2 Opening
	AOACI initiatives related to emerging contaminants (3-MCPD/GE, PFAS, MOH and microplastics)
	Harmonization of ISO 20122, IKB's participation of lab proficiency
	International network/collaboration for gaining testing capacity in food control area
	Setting spec for 3-MCPD/GE in vegetable oil in Malaysia
	Technical Workshop (TBC)
	Closing remarks
	Networking/ Lunch
	BPOM lab tour (TBC)